1		ข้อความบนเอกสารกำกับยา			
2	ข้อความเหมือนกันทุกขนาดบรรจุ				
3	เอกสารกำกับยาภาษาอังกฤษ				
4		TONIZEP FDT 5, 10			
5					
6	1.	PRODUCT NAME			
7		TONIZEP FDT 5			
8		TONIZEP FDT 10			
9	2.	NAME AND STRENGTH OF ACTIVE INGREDIENT			
10		TONIZEP FDT 5: 5 mg donepezil hydrochloride tablets each containing 4.56 mg donepezil			
11		free base.			
12		TONIZEP FDT 10: 10 mg donepezil hydrochloride tablets each containing 9.12 mg			
13		donepezil free base			
14	3.	PRODUCT DESCRIPTION			
15		Orodispersible tablets.			
16		TONIZEP FDT 5: white round tablet with the figure "5" on one side and the letter "ZD" on			
17		the other side.			
18		TONIZEP FDT 10: yellow, round tablet embossed with "10" on one side and "ZD" on			
19		another side.			
20	4.	PHARMACODYNAMICS/PHARMACOKINETICS			
21	4.1	Pharmacodynamics [1-11], [3-19]			
22		The pharmacotherapeutic group: drugs for dementia; ATC-code N06DA02.			
23		Donepezil hydrochloride is a specific inhibitor of acetylcholinesterase, the predominant			
24	cholinesterase in the brain. The drug binds reversibly with and inactivates cholinesterase, thus				
25	inhibiting hydrolysis of acetylcholine. As a result, the concentration of acetylcholine increases at				
26	cholinergic synapses. Donepezil hydrochloride is in vitro over 1000 times more potent an				
27	inhibitor of this enzyme than of butyrylcholinesterase, an enzyme which is present mainly				
28	outside the central nervous system.				
29					
30	[1-1	1] เอกสารอ้างอิง 1 : AHFS Drug Information 2012 หน้า 1266 หมายเลข 11			
31	[3-19] เอกสารอ้างอิง 3 : เอกสารกำกับยาต้นแบบที่ได้รับอนุมัติจากอย. หมายเลข 19				

\_\_\_\_\_

### 32 Alzheimer's dementia [3-20]

### 33 Mild to moderately severe Alzheimer's disease

In patients with Alzheimer's dementia participating in clinical trials, administration of 34 single daily doses of 5 mg or 10 mg of donepezil hydrochloride produced steady-state inhibition 35 36 of acetylcholinesterase activity (measured in erythrocyte membrane) of 63.6% and 77.3%, 37 respectively when measured post dose. The inhibition of acetylcholinesterase (AChE) in red 38 blood cells by donepezil hydrochloride has been shown to correlate to changes in ADAS-cog, a 39 sensitive scale which examines selected aspects of cognition. The potential for donepezil hydrochloride to alter the course of the underlying neuropathology has not been studied. Thus 40 donepezil hydrochloride cannot be considered to have any effect on the progress of the 41 disease. 42

Efficacy of treatment of Alzheimer's dementia with donepezil hydrochloride has been investigated in four placebo-controlled trials, 2 trials of 6-month duration and 2 trials of 1-year duration.

In the 6-month clinical trial, an analysis was done at the conclusion of donepezil
hydrochloride treatment using a combination of three efficacy criteria: the ADAS-cog (a
measure of cognitive performance), the Clinician's Interview Based Impression of Change with
caregiver input (CIBIC+ - a measure of global function) and the Activities of Daily Living
Subscale of the Clinical Dementia Rating Scale (a measure of capabilities in community affairs,
home and hobbies and personal care).

52 Patients who fulfilled the criteria listed below were considered treatment responders.

53 Response = Improvement of ADAS-cog of at least 4 points

54 No deterioration of CIBIC+

No deterioration of Activities of Daily Living Subscale of the Clinical Dementia Rating Scale

	% Response		
	Intent to Treat	Evaluable	
	Population n = 365	Population n = 352	
Placebo group	10%	10%	
Donepezil hydrochloride 5-mg group	18%*	18%*	
Donepezil hydrochloride 10-mg group	21%*	22%**	

57

55

58	**	p < 0.0	)1
59	Donep	ezil hyd	rochloride produced a dose-dependent statistically significant increase in
60	the percentag	e of pati	ents who were judged treatment responders.
61	Severe Alzhei	mer's di	sease
62	Efficad	cy of trea	atment with donepezil hydrochloride in severe Alzheimer's disease has
63	been investiga	ated in tl	nree placebo-controlled trials of 6-month duration.
64	In eac	h of the	clinical trials, an analysis was done at the conclusion of donepezil
65	hydrochloride	treatme	nt using a combination of three efficacy criteria: the total Severe
66	Impairment Ba	attery (S	B – a measure of cognitive performance in all three trials) score, the
67	Clinician's Inte	erview B	ased Impression of Change with caregiver input (CIBIC+ – a measure of
68	global function	n in two	trials) or Clinical Global Impression of Change (CGI-I – a measure of
69	global function	n in one	trial) and the modified Alzheimer's Disease Cooperative Study – Activities
70	of Daily Living	invento	ry for severe Alzheimer's disease (ADCS-ADL-sev – a measure of function
71	in all three tria	ls).	
72	Patien	ts who f	ulfilled the criteria listed below were considered treatment responders.
73	Respo	onse =	Improvement of SIB at least 4 points

74

75

No deterioration of CIBIC+ or CGI-I

No deterioration of ADCS-ADL-sev

	% Response			
	Intent to Treat	Evaluable		
	Population $n = 571$	Population $n = 518$		
Placebo group	10%	10%		
Donepezil hydrochloride 10-mg group	29%**	30%**		

76

\*\* p < 0.001

#### 77 Vascular dementia [3-21]

78 Efficacy of treatment of vascular dementia with donepezil hydrochloride has been 79 investigated in three placebo-controlled trials of 6-month duration in which the diagnostic 80 criteria for vascular dementia proposed by the NINDS-AIREN consensus group (National 81 Institute of Neurological Disorders and Stroke-Association Internationale pour la Recherche et 82 l'Enseignement en Neurosciences) were used to define the population of patients studied. 83 An overall analysis was done at the conclusion of donepezil hydrochloride treatment

- using a combination of three efficacy criteria. 84
- Patients who fulfilled the criteria listed below were considered treatment responders. 85
- Response = Improvement of ADAS-cog of at least 4 points and 86

Improvement or no deterioration of CIBIC+ and 87

Improvement or no deterioration of Clinical Dementia Rating functionality 88 subscale 89

	% Response			
	Intent to Treat	Observed Cases		
	Population n = 1176	n = 955		
Placebo group	16%	16%		
Donepezil hydrochloride 5-mg group	21%*	22% <sup>#</sup>		
Donepezil hydrochloride 10-mg group	25%**	27%**		

- 90 # p = 0.052\*
- 91

92

\*\* p < 0.01

Donepezil hydrochloride produced statistically significant increase in the percentage of 93

patients who were judged treatment responders. 94

p < 0.05

95

#### [3-20]- [3-21] เอกสารอ้างอิง 3 : เอกสารกำกับยาต้นแบบที่ได้รับอนุมัติจากอย. หมายเลข 20 96 และ 21 ตามลำดับ 97

#### 98 4.2 Pharmacokinetics

Absorption [3-22]: Donepezil hydrochloride is well absorbed [4-2] and food does not affect the 99 absorption of the drug. Maximum plasma levels are reached approximately 3 to 4 hours after 100 101 oral administration. Plasma concentrations and area under the curve rise in proportion to the 102 dose. The terminal disposition half-life is approximately 70 hours, thus, administration of multiple single-daily doses results in gradual approach to steady-state. Approximate steady-state is 103 achieved within 3 weeks after initiation of therapy. Once at steady-state, plasma donepezil 104 hydrochloride concentrations and the related pharmacodynamics activity show little variability 105 over the course of the day. 106

107 Distribution [3-23]: Donepezil hydrochloride is approximately 96% bound to human plasma

proteins (to albumin approximately 75% and  $\mathbf{Q}_{1}$ -acid glycoprotein approximately 21%). [2-2]

The plasma protein binding of the active metabolite 6-O-desmethyl donepezil is not known. The
steady-state volume of distribution is 12 to 16 L/kg. [2-1] In a mass balance study conducted in

healthy male volunteers, 240 hours after the administration of a single 5 mg dose of <sup>14</sup>C-labeled

donepezil hydrochloride, approximately 28% of the label remained unrecovered. This suggests

that donepezil hydrochloride and/or its metabolites may persist in the body for more than 10days.

Metabolism/Excretion [3-24]: Donepezil hydrochloride is metabolized by the cytochrome P450
 (CYP-450) isoenzymes 2D6 and 3A4 to multiple metabolites, [2-3] not all of which have been
 identified. Following administration of a single 5 mg dose of <sup>14</sup>C-labeled donepezil

118 hydrochloride, plasma radioactivity, expressed as a percent of the administered dose, was

present primarily as intact donepezil hydrochloride (30%), 6-O-desmethyl donepezil (11% - only

metabolite that exhibits activity similar to donepezil hydrochloride), donepezil-cis-N-oxide (9%),

121 5-O-desmethyl donepezil (7%) and the glucuronide conjugate of 5-O-desmethyl donepezil (3%).

122 Approximately 57% of the total administered radioactivity was recovered from the urine (17% as

unchanged donepezil), and 14.5% was recovered from the feces, suggesting biotransformation

- and urinary excretion as the primary routes of elimination. There is no evidence to suggest
- 125 enterohepatic recirculation of donepezil hydrochloride and/or any of its metabolites.
- Plasma donepezil hydrochloride concentrations decline with a half-life of approximately
  70 hours and the mean apparent plasma clearance is 0.13 to 0.19 L/h/kg. [2-4]
- 128 Sex, race and smoking history have no clinically significant influence on plasma
- 129 concentrations of donepezil hydrochloride. The pharmacokinetics of donepezil hydrochloride

130	has not been formally studied in healthy elderly subjects, or in Alzheimer's or vascular dementia
131	patients. However, mean plasma levels in patients closely agreed with those of young healthy
132	volunteers.
133	Patients with mild to moderate hepatic impairment had increased donepezil
134	hydrochloride steady-state concentrations; mean AUC by 48% and mean $\mathrm{C}_{_{\mathrm{max}}}$ by 39% (see
135	section 6).
136	
137	[2-1]- [2-4] เอกสารอ้างอิง 2 : Drug Facts and Comparison 2012 หน้า 1681 หมายเลข 1-4
138	[3-22]- [3-24] เอกสารอ้างอิง 3 : เอกสารกำกับยาต้นแบบที่ได้รับอนุมัติจากอย. หมายเลข 22-24
139	[4-2] เอกสารอ้างอิง 4 : Drug Information Handbook with international trade names index 2010-
140	2011, 19 <sup>th</sup> edition หน้า 521 หมายเลข 2
141	
142	
143	
144	5. INDICATION [3-1]
145	TONIZEP FDT tablets are indicated for the symptomatic treatment of:
146	- Mild, moderate and severe Alzheimer's disease.
147	- Vascular dementia (dementia associated with cerebrovascular disease).
148	
149	[3-1] เอกสารอ้างอิง 3 : เอกสารกำกับยาต้นแบบที่ได้รับอนุมัติจากอย. หมายเลข 1

# 150 6. RECOMMENDED DOSE [3-2]

151 Adults/Elderly: [1-9]

Treatment is initiated at 5 mg/day (once-a-day dosing). The 5 mg/day dose should be maintained for at least one month in order to allow steady-state concentrations of donepezil hydrochloride to be achieved. Following a 4-6 weeks of clinical assessment in patients who tolerated treatment at 5 mg/day, the dose of TONIZEP FDT can be increased to 10 mg/day (once-a-day dosing). The maximum recommended daily dose is 10 mg. Doses greater than 10 mg/day have not been studied in clinical trials. Upon discontinuation of treatment, a gradual abatement of the beneficial effects of

159 TONIZEP FDT is seen. There is no evidence of a rebound effect after abrupt discontinuation of 160 therapy.

#### 161 Renal and hepatic impairment: [1-10]

162 A similar dose schedule can be followed for patients with impairment as clearance of 163 donepezil hydrochloride is not affected by this condition.

Due to possible increased exposure in mild to moderate hepatic impairment (see section 4.2), dose escalation should be performed according to individual tolerability. There are no data for patients with severe hepatic impairment.

167 Children:

168 TONIZEP FDT is not recommended for use in children.

169

170 [1-9]- [1-10] เอกสารอ้างอิง 1 : AHFS Drug Information 2012 หน้า 1265 หมายเลข 9-10

171 [3-2] เอกสารอ้างอิง 3 : เอกสารกำกับยาต้นแบบที่ได้รับอนุมัติจากอย. หมายเลข 2

172

# 173 **7**. MODE OF ADMINISTRATION [1-1], [3-3]

- 174 TONIZEP FDT should be taken orally, in the evening, just prior to retiring. The tablet should be
- 175 placed on the tongue and allowed to disintegrate before swallowing with or without water,
- 176 according to patient preference.

- 178 [1-1] เอกสารอ้างอิง 1 : AHFS Drug Information 2012 หน้า 1266 หมายเลข 1
- 179 [3-3] เอกสารอ้างอิง 3 : เอกสารกำกับยาต้นแบบที่ได้รับอนุมัติจากอย. หมายเลข 3

### 180 8. CONTRAINDICATION

- 181 TONIZEP FDT is contraindicated in patients with a known hypersensitivity to donepezil
- 182 hydrochloride, piperidine derivatives, or to any excipients used in the formulation. [1-2], [3-4],
- 183 **[2-5]**
- 184 TONIZEP FDT is contraindicated in pregnancy. [3-4]
- 185
- 186 [1-2] เอกสารอ้างอิง 1 :AHFS Drug Information 2012 หน้า 1265 หมายเลข 2
- 187 [2-5] เอกสารอ้างอิง 2 :Drug Facts and Comparison 2012 หน้า 1681 หมายเลข 5
- 188 [3-4] เอกสารอ้างอิง 3 : เอกสารกำกับยาต้นแบบที่ได้รับอนุมัติจากอย. หมายเลข 4
- 190

189

# 191 9. WARNINGS AND PRECAUTIONS

192 Treatment should be initiated by a physician experienced in the treatment of dementia. Diagnosis should be made according to accepted guidelines (e.g. DSM IV, ICD 10). Therapy 193 194 with donepezil hydrochloride should only be started if a caregiver is available who will regularly 195 monitor drug intake for the patient. Maintenance treatment can be continued for as long as a therapeutic benefit for the patient exists. Therefore, the clinical benefit of donepezil 196 hydrochloride should be reassessed on a regular basis. Discontinuation should be considered 197 when evidence of a therapeutic effect is no longer present. Individual response to donepezil 198 hydrochloride cannot be predicted. The use of donepezil hydrochloride in patients with other 199 types of dementia or other types of memory impairment (e.g. amnestic mild cognitive 200 impairment), is under investigation. [3-5] 201 Anaesthesia [1-3], [3-6]: Donepezil hydrochloride, as a cholinesterase inhibitor, is likely to 202 exaggerate succinylcholine-type muscle relaxation during anaesthesia. 203 Cardiovascular conditions [1-5], [2-6], [3-7]: Because of their pharmacological action, 204 205 cholinesterase inhibitors may have vagotonic effects on heart rate (e.g. bradycardia). The 206 potential for this action may be particularly important to patients with "sick sinus syndrome" or 207 other supraventricular cardiac conduction conditions, such as sinoatrial or atrioventricular block. There have been reports of syncope and seizures. In investigating such patients the 208 possibility of heart block or long sinusal pauses should be considered. 209 210 Gastrointestinal conditions

- 211 Peptic ulcer/ GI bleeding [1-4], [2-7], [3-8]: Patients at increased risk for developing ulcer or GI
- bleeding, e.g., those with a history of ulcer disease or those receiving concurrent nonsteroidal
- 213 anti-inflammatory drugs (NSAIDs), should be monitored for symptoms. However, the clinical
- studies with donepezil hydrochloride 5 to 10 mg/day showed no increase, relative to placebo, in
- the incidence of either peptic ulcer disease or gastrointestinal bleeding.
- 216 Nausea/ Vomiting [2-8]: Donepezil hydrochloride, as a predictable consequence of its
- 217 pharmacological properties, produced diarrhea, nausea, and vomiting. Although in most case,
- these effects were mild and transient, sometimes lasting 1 to 3 weeks, and resolved during
- 219 continued use of donepezil hydrochloride, closely observe patients at the initiation of treatment
- and after dose increases.
- 221 Genitourinary [1-7], [2-9], [3-9]: Although not observed in clinical trials of donepezil
- 222 hydrochloride, cholinomimetics may cause bladder outflow obstruction.
- 223 Neurological conditions [1-8], [2-10], [3-10]: Seizures: Cholinomimetics are believed to have
- some potential to cause generalized convulsions. However, seizure activity may also be a
- 225 manifestation of Alzheimer's disease. Cholinomimetics may have the potential to exacerbate or
- induce extrapyramidal symptoms.
- 227 Pulmonary conditions [1-6], [2-11], [3-11]: Because of their cholinomimetic actions,
- cholinesterase inhibitors should be prescribed with care to patients with a history of asthma orobstructive pulmonary disease.
- 230 The administration of donepezil hydrochloride concomitantly with other inhibitors of
- acetylcholinesterase, agonists or antagonists of the cholinergic system should be avoided.
- 232 Severe hepatic impairment [3-12]: There are no data for patients with severe hepatic impairment.
- 233
- 234 [1-3]- [1-8] เอกสารอ้างอิง 1 :AHFS Drug Information 2012 หน้า 1265 หมายเลข 3-8
- 235 [2-6]- [2-11] เอกสารอ้างอิง 2 :Drug Facts and Comparison 2012 หน้า 1681 หมายเลข 6-11
- 236 [3-5]- [3-12] เอกสารอ้างอิง 3 : เอกสารกำกับยาต้นแบบที่ได้รับอนุมัติจากอย. หมายเลข 5-13

# 10. INTERACTIONS WITH OTHER MEDICAMENTS [2-13], [3-14]

238 Donepezil hydrochloride and/or any of its metabolites do not inhibit the metabolism of 239 theophylline, warfarin, cimetidine or digoxin in humans. The metabolism of donepezil 240 hydrochloride is not affected by concurrent administration of digoxin or cimetidine.

In vitro studies have shown that the cytochrome P450 isoenzymes 3A4 and to a minor 241 242 extent 2D6 are involved in the metabolism of donepezil hydrochloride. Drug interaction studies 243 performed in vitro show that ketoconazole and guanidine, inhibitors of CYP3A4 and 2D6 respectively, inhibit donepezil hydrochloride metabolism. Therefore, these and other CYP3A4 244 inhibitors, such as itraconazole and erythromycin, and CYP2D6 inhibitors, such as fluoxetine 245 could inhibit the metabolism of donepezil hydrochloride. In a study in healthy volunteers, 246 ketoconazole increased mean donepezil hydrochloride concentrations by about 30%. Moreover, 247 CYP-450 3A4 and 2D6 inducers such as rifampicin, phenytoin, carbamazepine and alcohol may 248 reduce the levels of donepezil hydrochloride. Since the magnitude of an inhibiting or inducing 249 effect is unknown, such drug combinations should be used with care. 250

251 Donepezil hydrochloride has the potential to interfere with medications having 252 anticholinergic activity such as atropine. There is also the potential for synergistic activity with 253 concomitant treatment involving medications such as succinylcholine, other neuro-muscular 254 blocking agents, cholinergic agonists such as bethanechol, beta blocking agents which have 255 effects on cardiac condition or aspirin/ NSAIDs such as ibuprofen, or naproxen may increase 256 the risk of developing stomach ulcers.

257

258 [2-13] เอกสารอ้างอิง 2 : Drug Facts and Comparison 2012 หน้า 1681-2 หมายเลข 13

259 [3-14] เอกสารอ้างอิง 3 : เอกสารกำกับยาต้นแบบที่ได้รับอนุมัติจากอย. หมายเลข 14

# 260 11. PREGNANCY AND LACTATION [3-15]

261 **Pregnancy**:

Category C [4-1] according to US pregnancy category; either studies in animals have revealed adverse effects on the fetus (teratogenic or embryocidal or other) and there are no controlled studies in women or studies in women and animals are not available. Drugs should be given only if the potential benefit justifies the potential risk to the fetus.

266 Teratology studies conducted in pregnant rats at doses up to approximately 80 times the human dose and in pregnant rabbits at doses up to approximately 50 times the human dose did 267 268 not disclose any evidence for a teratogenic potential. However, in a study in which pregnant rats 269 were given approximately 50 times the human dose from day 17 of gestation through day 20 270 postpartum, there was a slight increase in stillbirths and a slight decrease in pup survival 271 through day 4 postpartum. No effect was observed at the next lower dose tested, approximately 272 15 times the human dose. Donepezil hydrochloride should not be used during pregnancy because no clinical data of it on exposed pregnancies are available. 273 274 Lactation [2-12]:

It is not known whether donepezil hydrochloride is excreted in human breast milk and there
are no studies in lactating women. Therefore, women on donepezil hydrochloride should not
breast feed.

278

279

280 [2-12] เอกสารอ้างอิง 2 :Drug Facts and Comparison 2012 หน้า 1681 หมายเลข 12
 281 [3-15] เอกสารอ้างอิง 3 : เอกสารกำกับยาต้นแบบที่ได้รับอนุมัติจากอย. หมายเลข 15

282

# 284 12. UNDESIRABLE EFFECTS [3-17]

The most common adverse events are diarrhea, muscle cramps, fatigue, nausea, vomiting, anorexia, and insomnia.

The incidence profile for adverse events for severe Alzheimer's disease is similar to that of mild to moderately severe Alzheimer's disease. The table below reflects the incidence of adverse events in patients receiving treatment with donepezil hydrochloride for all stages of Alzheimer's disease.

- Adverse reactions reported as more than an isolated case are listed below, by system organ class and by frequency. Frequencies are defined as: very common (>1/10), common (>1/100, <1/10), uncommon (>1/1,000, <1/100) and rare (>1/10,000, <1/1,000).
- 294

System Organ	Very Common	Common	Uncommon	Rare
Class				
Infections and		Common cold		
infestations				
Metabolism and		Anorexia		
nutrition disorders				
Psychiatric		Hallucinations**		
disorders		Agitation**		
		Aggressive		
		behavior**		
Nervous		Syncope*	Seizure*	Extrapyramidal
system disorders		Dizziness		symptoms
		Insomnia		
Cardiac disorders			Bradycardia	Sino-atrial block
				Atrioventricular
				block
Gastrointestinal	Diarrhea	Vomiting	Gastrointestinal	
disorders	Nausea	Abdominal	haemorrhage	
		disturbance	Gastric and	
			duodenal ulcers	

System Organ	Very Common	Common	Uncommon	Rare
Class				
Hepato-biliary				Liver
disorders				dysfunction
				including
				hepatitis***
Skin and		Rash		
subcutaneous		Pruritis		
tissue disorders				
Musculoskeletal,		Muscle cramps		
connective tissue				
and bone disorders				
Renal and urinary		Urinary		
disorders		incontinence		
General disorders	Headache	Fatigue		
and administration		Pain		
site conditions				
Investigations			Minor increase	
			in serum	
			concentration of	
			muscle creatine	
			kinase	
Injury and poisoning		Accident		

<sup>296</sup> \*In investigating patients for syncope or seizure the possibility of heart block or long sinusal

297 pauses should be considered (see section 9).

<sup>298</sup> \*\*Reports of hallucinations, agitation and aggressive behavior have resolved on dose-reduction

299 or discontinuation of treatment.

300 \*\*\*In cases of unexplained liver dysfunction, withdrawal of donepezil hydrochloride should be

301 considered.

# 302 EFFECTS ON ABILITY TO DRIVE AND USE MACHINE [3-16]

303 Donepezil hydrochloride has minor to moderate influence in the ability to drive and use 304 machines.

Dementia may cause impairment of driving performance or compromise the ability to use machinery. Furthermore, donepezil hydrochloride can induce fatigue, dizziness and muscle cramps, mainly when initiating or increasing the dose. The treating physician should routinely evaluate the ability of patients on donepezil hydrochloride to continue driving or operating complex machines.

311 [3-16]- [3-17] เอกสารอ้างอิง 3 : เอกสารกำกับยาต้นแบบที่ได้รับอนุมัติจากอย. หมายเลข 16-17

#### 312 13. OVERDOSE AND TREATMENT [3-18]

The estimated median lethal dose of donepezil hydrochloride following administration of a single oral dose in mice and rats in 45 and 32 mg/kg, respectively, or approximately 225 and 160 times the maximum recommended human dose of 10 mg per day. Dose-related signs of cholinergic stimulation were observed in animals and included reduced spontaneous movement, prone position, staggering gait, lacrimation, clonic convulsions, depressed respiration, salivation, miosis, fasciculation and lower body surface temperature.

Overdosage with cholinesterase inhibitors can result in cholinergic crisis characterized by severe nausea, vomiting, salivation, sweating, bradycardia, hypotension, respiratory depression, collapse and convulsions. Increasing muscle weakness is a possibility and may result in death if respiratory muscles are involved.

323 As in any case of overdose, general supportive measures should be utilized. Tertiary anticholinergics such as atropine may be used as an antidote for donepezil hydrochloride 324 overdosage. Intravenous atropine sulphate titrated to effect is recommended: an initial dose of 325 1.0 to 2.0 mg IV with subsequent doses based upon clinical response. Atypical responses in 326 blood pressure and heart rate have been reported with other cholinomimetics when co-327 administered with quaternary anti-cholinergics such as glycopyrrolate. It is not known whether 328 329 donepezil hydrochloride and/or its metabolites can be removed by dialysis (hemodialysis, 330 peritoneal dialysis, or hemofiltration). 331 [2-14] เอกสารอ้างอิง 2 :Drug Facts and Comparison 2012 หน้า 1683 หมายเลข 14 332 [3-18] เอกสารอ้างอิง 3 :เอกสารกำกับยาต้นแบบที่ได้รับอนุมัติจากอย. หมายเลข 18 333

Sequence Package Leaflet - English

# 33414.STORAGE CONDITION

335 Store in tight containers at temperatures below 30°C.

# 336 15. DOSAGE FORMS AND PACKAGING AVAILABLE

- 5 mg tablets; 10 mg tablets: aluminium-clear colorless PVC/PVdC blister of 14 tablets packed in
- 338 paper carton.
- 339 16. NAME AND ADDRESS OF MANUFACTURER
- 340 T.O. CHEMICALS(1979) Ltd.
- 341 280 Soi Sabaijai, Suthisarn Road, Bangkok 10310
- 342 Tel. 02-2756053-9 Fax. 02-2777350
- 343 17. DATE OF REVISION OF PACKAGE INSERT
- 344 10 May 2016