

TABLE 15.2 Pharmacokinetic Parameters of Benzodiazepines Approved for Sedative-Hypnotic Use

Drugs	Trade name	Log P ^a	Time to peak conc. (hrs)	Parent elimination half-life (hrs)	Major metabolites (t _{1/2} , hrs)	Predominant CYP isoform(s)
Flurazepam	Dalmane	2.35	0.5–1.0	2 ca.	N ₁ -desalkyl (47–100, active) N ₁ -hydroxyethyl (2-4, active)	3A ₄
Quazepam	Doral	4.03	2 ca.	39	2-Oxo (40, active) N-desalkyl (73, active)	3A ₄ /2C ₉
Estazolam	Prosom	3.51	0.5–6.0	10–24	4'-Hydroxy; 4-Hydroxy; 1-Oxo (all inactive)	3A ₄
Triazolam	Halcion	2.42	<2	1.5–5.5	α-Hydroxy (50-100% active) 4-Hydroxy (inactive)	3A ₄
Temazepam	Restoril	2.19	1.2–1.6	0.4–0.6	O-glucuronide	--

^a From Sangster Research Laboratories LOGKOW database
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