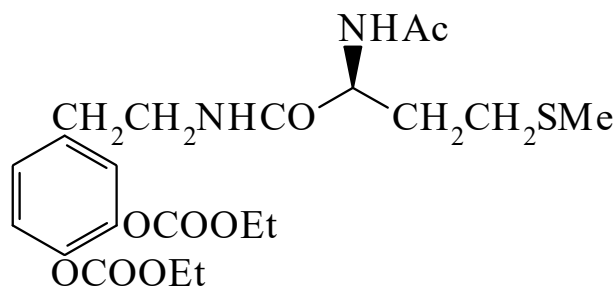




>>Entry Name: Docarpamine, INN

Synonym(s): 4-[2-[[2-(Acetylamino)-4-(methylthio)-1-oxobutyl]amino]ethyl]-1,2-phenylene diethyl carbonate, 9Cl. *N*-(*N*-Acetylmethionyl)-3,4-diethoxycarboxyphenethylamine. Tanadopa. TA 870



CAS Registry Number: 74639-40-0

Type of Compound Code(s): XA2760

Molecular Formula: C₂₁H₃₀N₂O₈S

Molecular Weight: 470.543

Accurate Mass: 470.172288

Percentage Composition: C 53.60%; H 6.43%; N 5.95%; O 27.20%; S 6.81%

Use/Importance: Cardiac stimulant. Orally active prodrug of Dopamine [HDV99-C](#)

Physical Description: Cryst.

Development Status: Launched 1994 (Japan)

Melting Point: Mp 85-90°

Optical Rotation: $[\alpha]_D^{20} -15.6$ (c, 2 in MeOH)

Calculated Log P Data: Log P -0.3 (uncertain value) (calc)

Hazard & Toxicity: Exp. reprod. and teratogenic effects

References:

- Eur. Pat.*, 1980, *Tanabe Seiyaku*, 7 441; *CA*, **93**, 114976y, (*synth, pharmacol*)
Murata, K. *et al.*, *Biopharm. Drug Dispos.*, 1990, **11**, 149, (*pharmacokinet*)
Yoshikawa, M. *et al.*, *Drug Metab. Dispos.*, 1990, **18**, 212, (*pharmacokinet*)
Nishizaki, S. *et al.*, *Drug Invest.*, 1991, **3**, 118, (*pharmacol*)
Nishiyama, S. *et al.*, *Cardiovasc. Drug Rev.*, 1992, **10**, 101, (*rev*)
Martindale, The Extra Pharmacopoeia, 30th edn., Pharmaceutical Press, 1993, 1364