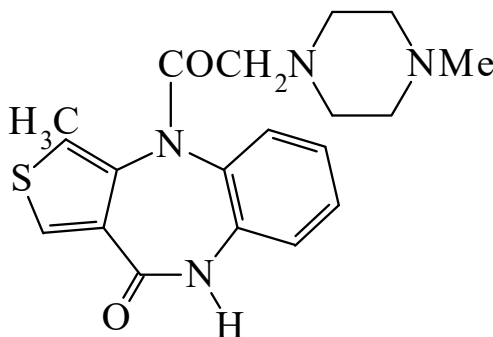




>>Entry Name: Telenzepine, INN

Synonym(s): 4,9-Dihydro-3-methyl-4-[(4-methyl-1-piperazinyl)acetyl]-10*H*-thieno[3,4-*b*][1,5]benzodiazepin-10-one, 9Cl. By 803



CAS Registry Number: 80880-90-6

Related CAS Registry Numbers(s): 121388-45-2

Molecular Formula: C₁₉H₂₂N₄O₂S

Molecular Weight: 370.474

Accurate Mass: 370.146346

Percentage Composition: C 61.60%; H 5.99%; N 15.12%; O 8.64%; S 8.66%

Use/Importance: Muscarine M₁-receptor antagonist; used in the treatment of peptic ulcers

Calculated Log P Data: Log P 2.11 (uncertain value) (calc)

>>Variant: (+)-form

CAS Registry Number: 121388-44-1

Molecular Formula: C₁₉H₂₂N₄O₂S

Molecular Weight: 370.474

Accurate Mass: 370.146346

Percentage Composition: C 61.60%; H 5.99%; N 15.12%; O 8.64%; S 8.66%

Physical Description: Amorph. solid

Optical Rotation: [α]_D²²+32.4 (c, 1 in CHCl₃). [α]_D²²+41.2 (c, 1 in CH₂Cl₂/MeOH)

Other Data: Pharmacol. active enantiomer

>>Derivative: Hydrochloride (1:2)

CAS Registry Number: 136483-85-7

Melting Point: Mp 223-229°

Optical Rotation: [α]_D²²+26.4 (c, 1 in H₂O)

>>Variant: (±)-form

CAS Registry Number: 121388-46-3

Molecular Formula: C₁₉H₂₂N₄O₂S

Molecular Weight: 370.474

Accurate Mass: 370.146346

Percentage Composition: C 61.60%; H 5.99%; N 15.12%; O 8.64%; S 8.66%

Physical Description: Cryst. (Me₂CO)

Melting Point: Mp 177-178°

References:

Eur. Pat., 1980, Byk-Gulden Lomberg, 39 519; *CA*, **96**, 104288y, (*synth, pharmacol*)

Eltze, M. *et al.*, *Eur. J. Pharmacol.*, 1985, **112**, 211, (*pharmacol*)

Pat. Coop. Treaty (WIPO), 1989, Byk Gulden Lomberg, 89 05 644; *CA*, **112**, 191963e, (*synth, enants*)

Kilian, V. *et al.*, *Agents Actions*, Suppl., 1991, **34**, 131, (*rev*)

Martindale, The Extra Pharmacopoeia, 30th edn., Pharmaceutical Press, 1993, 432