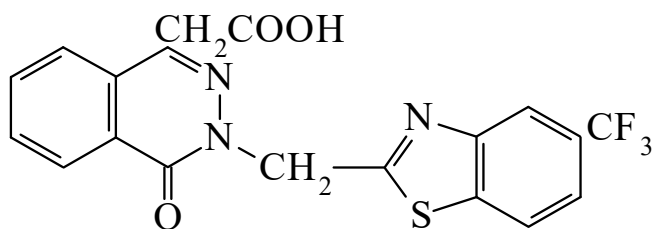




>>Entry Name: Zopolrestat, BAN, INN, USAN

Synonym(s): 3,4-Dihydro-4-oxo-3-[[5-(trifluoromethyl)-2-benzothiazolyl]methyl]-1-phthalazineacetic acid, 9Cl. CP 73850



CAS Registry Number: 110703-94-1

Related CAS Registry Numbers(s): 110765-49-6

Molecular Formula: C₁₉H₁₂F₃N₃O₃S

Molecular Weight: 419.383

Accurate Mass: 419.055146

Percentage Composition: C 54.42%; H 2.88%; F 13.59%; N 10.02%; O 11.44%; S 7.65%

Use/Importance: Aldose reductase inhibitor; used for the treatment of diabetic neuropathy

Melting Point: Mp 197-198°

Calculated Log P Data: Log P 2.35 (calc)

>>Derivative: Et ester

CAS Registry Number: 110722-28-6

Molecular Formula: C₂₁H₁₆F₃N₃O₃S

Molecular Weight: 447.437

Accurate Mass: 447.086446

Percentage Composition: C 56.37%; H 3.60%; F 12.74%; N 9.39%; O 10.73%; S 7.17%

Melting Point: Mp 124-126°

References:

Eur. Pat., 1987, *Pfizer*, 222 576; *CA*, **107**, 176055p, (*synth, pharmacol*)

Mylari, B.L. *et al.*, *J. Med. Chem.*, 1991, **34**, 108; 1992, **35**, 457, (*synth, pharmacol, cryst struct, sar*)

Inskeep, P.B. *et al.*, *Pharm. Res.*, 1991, **8**, 1511, (*pharmacokinet, rat*)

Wilson, D.K. *et al.*, *Proc. Natl. Acad. Sci. U.S.A.*, 1993, **90**, 9847, (*drug-receptor, cryst struct*)

Inskeep, P.B. *et al.*, *J. Clin. Pharmacol.*, 1994, **34**, 760, (*pharmacokinet*)