

Product Data Sheet

Product Name: Tianeptine

Cat. No.: GC14788

Chemical Properties

Cas. No. 66981-73-5

Chemical Name 7-[(3-chloro-6-methyl-5,5-dioxo-11H-benzo[c][2,1]benzothiazepin-11-yl)amino]heptanoic acid

SMILES CN1C2=CC=CC=C2C(C3=C(S1(=O)=O)C=C(C=C3)Cl)NCCCCCCC(=O)O

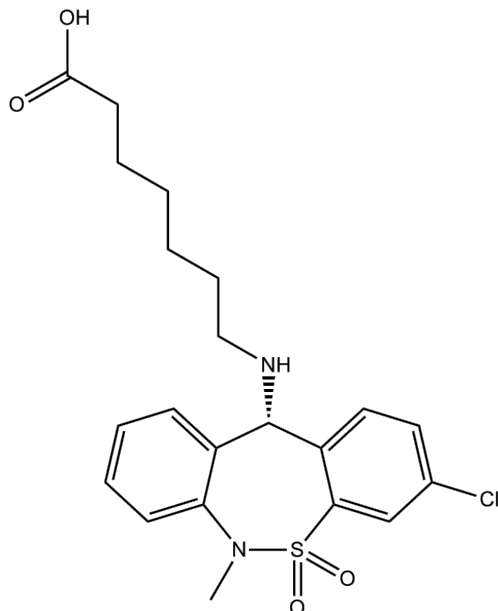
Formula $C_{21}H_{25}ClN_2O_4S$ M.Wt 436.96

Solubility DMSO : 87mg/mL Storage Store at -20°C

General tips For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.

Structure



Background

Tianeptine is a selective facilitator of 5-HT uptake in vitro and in vivo. IC₅₀ Value: N/A Target: 5-HT Receptor
Tianeptine has no affinity for a wide range of receptors, including 5-HT and dopamine (IC₅₀

Caution: Product has not been fully validated for medical applications. For research use only.

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> 10 μ M) and has no effect on noradrenalin or dopamine uptake. Antidepressant, analgesic and neuroprotective following systemic administration in vivo.

References:

[1]. Broqua P; Baudrie V; Chaouloff F Differential effects of the novel antidepressant tianeptine on L-5-hydroxytryptophan (5-HTP)-elicited corticosterone release and body weight loss. Eur Neuropsychopharmacol. 1992 Jun;2(2):115-20.

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