

Product Data Sheet

Product Name: Setiptiline maleate

Cat. No.: GC13549

Chemical Properties

Cas. No. 85650-57-3

Chemical Name 2-methyl-2,3,4,9-tetrahydro-1H-dibenzo[3,4:6,7]cyclohepta[1,2-c]pyridine maleate

SMILES O=C(/C([H])=C([H])\C(O[H])=O)O[H].[H]C1([H])C(C2=C([H])C([H])=C([H])C([H])=C2C([H])([H])C3=C([H])C([H])=C([H])C([H])=C43)=C4C([H])([H])N(C([H])([H])[H])C1([H])[H]

Formula $C_{23}H_{23}NO_4$ M.Wt 377.43

Solubility DMSO : 100 mg/mL (264.95 mM; Need ultrasonic) 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.

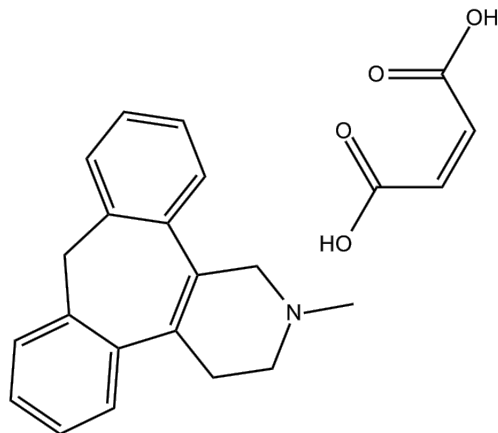
Caution: Product has not been fully validated for medical applications. For research use only.

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Structure



Background

Setiptiline is a serotonin receptor antagonist. IC50 value: Target: 5-HT receptor. Setiptiline is a tetracyclic antidepressant (TeCA) which acts as a noradrenergic and specific serotonergic antidepressant (NaSSA). Setiptiline acts as a norepinephrine reuptake inhibitor, α 2-adrenergic receptor antagonist, and serotonin receptor antagonist, likely at the 5-HT2A, 5-HT2C, and/or 5-HT3 subtypes, as well as an H1 receptor inverse agonist/antihistamine. From Wikipedia.

References:

- [1]. Niho T, et al. [Pharmacological properties of MO-8282, a novel antidepressant]. Nihon Yakurigaku Zasshi. 1986 Oct;88(4):309-20.
- [2]. Setiptiline
- [3]. Yamada K, et al. [Behavioral effects of a new antidepressant, setiptiline]. Nihon Yakurigaku Zasshi. 1991 Jan;97(1):31-9.
- [4]. Kamimura M, et al. The effect of age on plasma level of setiptiline maleate in depressed patients. Prog Neuropsychopharmacol Biol Psychiatry. 1994 Oct;18(6):1015-26.
- [5]. Kuniyoshi M, et al. Effectiveness of concomitant setiptiline maleate (Tecipul) on negative symptoms of schizophrenia. Prog Neuropsychopharmacol Biol Psychiatry. 1994 Mar;18(2):339-46.

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