
Product Data Sheet

Product Name: Setiptiline

Cat. No.: GC13990

Chemical Properties

Cas. No. 57262-94-9

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

SMILES [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 C₁₉H₁₉N M.Wt 261.36

Solubility DMSO : 25 mg/mL (95.65 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.

Structure **Background**

Setiptiline(Org-8282) is a serotonin receptor antagonist. IC 50 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, α₂-adrenergic receptor antagonist, and serotonin receptor antagonist, likely at the 5-HT_{2A}, 5-HT_{2C}, and/or 5-HT₃ subtypes, as well as an H₁ receptor inverse agonist/antihistamine. From Wikipedia.

References:

- [1]. Yamada K, Furukawa T. [Behavioral effects of a new antidepressant, setiptiline]. Nihon Yakurigaku Zasshi. 1991 Jan;97(1):31-9.
- [2]. Kamimura M, Aoba A, Yamaguchi N et al. The effect of age on plasma level of setiptiline maleate in depressed patients. Prog Neuropsychopharmacol Biol Psychiatry.

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

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1994 Oct;18(6):1015-26.

[3]. Kuniyoshi M, Nakamura J, Miura C, Inanaga K. Effectiveness of concomitant setiptiline maleate (Tecipul) on negative symptoms of schizophrenia. Prog Neuropsychopharmacol Biol Psychiatry. 1994 Mar;18(2):339-46.

[4]. Niho T, Ito C, Shibutani Y, Hashizume H, Yamaguchi K. [Pharmacological properties of MO-8282, a novel antidepressant]. Nihon Yakurigaku Zasshi. 1986 Oct;88(4):309-20.

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