

Product Data Sheet

Product Name: THIP
Cat. No.: GC37784

Chemical Properties

Cas. No. 64603-91-4

SMILES O=C1C2=C(CNCC2)ON1

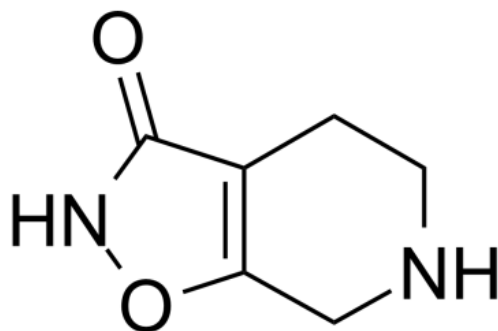
Formula C6H8N2O2 M.Wt 140.14

Solubility 25 mg/mL in DMSO (Need ultrasonic); 15 mg/mL in Water (Need ultrasonic).
Storage -20°C, protect from light.

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

THIP (Gaboxadol) is a selective δ -aminobutyric acid type A receptor (δ -GABAAR) agonist, functionally selective GABAAR ligand, exhibits agonism at $\alpha 4\beta 1\delta$, $\alpha 4\beta 3\delta$ and weak antagonism at

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

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$\alpha\beta\gamma$ and $\alpha 4\beta 2\delta$ GABAARs[1]. $\alpha 4\beta 3\delta$ GABAAR|13 μ M (EC50)

[1]. Hoestgaard-Jensen K, et al. Probing $\alpha 4\beta \delta$ GABAA receptor heterogeneity: differential regional effects of a functionally selective $\alpha 4\beta 1\delta/\alpha 4\beta 3\delta$ receptor agonist on tonic and phasic inhibition in rat brain. J Neurosci. 2014 Dec 3;34(49):16256-72.

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