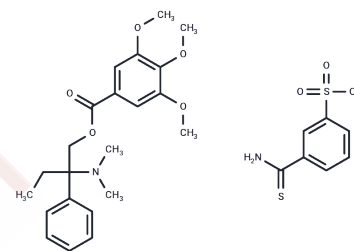


Trimebutine CTB salt

Chemical Properties

CAS No. : 1456509-46-8
 Formula: C₂₉H₃₆N₂O₈S₂
 Molecular Weight: 604.74
 Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year
 Actual storage temperature shall be subject to the COA.



Biological Description

Description	Trimebutine CTB salt (GIC-1001) is an opioid receptor agonist used in the study of pain.
Targets(IC50)	Others,Opioid Receptor

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.6536 mL	8.268 mL	16.536 mL
5 mM	0.3307 mL	1.6536 mL	3.3072 mL
10 mM	0.1654 mL	0.8268 mL	1.6536 mL
50 mM	0.0331 mL	0.1654 mL	0.3307 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Paquette JM, et al. Safety, tolerability and pharmacokinetics of trimebutine 3-thiocarbamoylbenzenesulfonate (GIC-1001) in a randomized phase I integrated design study: single and multiple ascending doses and effect of food in healthy volunteers. Clin Ther. 2014 Nov 1;36(11):1650-64.

Cenac N, et al. A novel orally administered trimebutine compound (GIC-1001) is anti-nociceptive and features peripheral opioid agonistic activity and Hydrogen Sulphide-releasing capacity in mice. Eur J Pain. 2016 May;20(5): 723-30.

Montpetit H, et al. Discovery of a novel trimebutine metabolite and its impact on N-desmethyltrimebutine quantification by LC-MS/MS. Bioanalysis. 2015;7(8):1007-15.

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