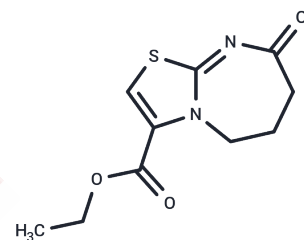


HIE-124

Chemical Properties

CAS No. : 805326-00-5
 Formula: C₁₀H₁₂N₂O₃S
 Molecular Weight: 240.28
 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	HIE-124 is a central nervous system active anticonvulsant and ultra-short acting hypnotic.
Targets(IC50)	Others,GABA Receptor

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.1618 mL	20.8091 mL	41.6181 mL
5 mM	0.8324 mL	4.1618 mL	8.3236 mL
10 mM	0.4162 mL	2.0809 mL	4.1618 mL
50 mM	0.0832 mL	0.4162 mL	0.8324 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

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Al-Rashood ST, Hassan GS, El-Messery SM, El-Taher KE, Hefnawy MM, Al-Omar MA, El-Subbagh HI. Synthesis, biological evaluation and molecular modeling study of some new thiazolodiazepine analogs as CNS active agents. *Bioorg Med Chem Lett.* 2016 Jan 15;26(2):445-53. doi: 10.1016/j.bmcl.2015.11.097. Epub 2015 Dec 7. PubMed PMID: 26706170.

Kadi A, Hefnawy M, Al-Majed A, Alonezi S, Asiri Y, Attia S, Abourashed E, El-Subbagh H. Liquid chromatographic high-throughput analysis of the new ultra-short acting hypnotic 'HIE-124' and its metabolite in mice serum using a monolithic silica column. *Analyst.* 2011 Feb 7;136(3):591-7. doi: 10.1039/c0an00381f. Epub 2010 Nov 16. PubMed PMID: 21079880.

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