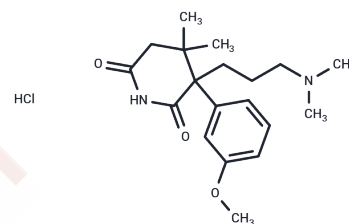


SC-48274

Chemical Properties

CAS No. : 103353-87-3
 Formula: C₁₉H₂₉ClN₂O₃
 Molecular Weight: 368.90
 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	SC-48274 is a novel anxiolytic. SC-48274 has anxiolytic activity of the same potency as buspirone and repeated-dose administration is needed to induce anxiolytic activity.
Targets(IC50)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.7108 mL	13.5538 mL	27.1076 mL
5 mM	0.5422 mL	2.7108 mL	5.4215 mL
10 mM	0.2711 mL	1.3554 mL	2.7108 mL
50 mM	0.0542 mL	0.2711 mL	0.5422 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

- Kawasaki H, Takasaki K. [Electroencephalographic study with SC-48274, a novel nonbenzodiazepine anxiolytic in conscious rabbits]. *Nihon Yakurigaku Zasshi*. 1991 Oct;98(4):259-72. Japanese. PubMed PMID: 1687040.
- Ogawa N, Hara C, Takaki S. Anxiolytic activity of SC-48274 compared with those of buspirone and diazepam in experimental anxiety models. *Jpn J Pharmacol*. 1993 Feb;61(2):115-21. PubMed PMID: 8096257.
- Gittos MW. The anxiolytic SC 48274 (AGN 2979; BTG 1501) in generalized anxiety disorder. *Prog Neuropsychopharmacol Biol Psychiatry*. 1994 Jul;18(4):831-2. Corrected and republished in: *Prog Neuropsychopharmacol Biol Psychiatry*. 1994 Dec;18(8):i-ii. PubMed PMID: 7938570.
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