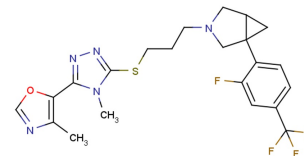


GSK598809

Chemical Properties

CAS No.: 863680-45-9
Formula: C₂₂H₂₃F₄N₅O₂
Molecular Weight: 481.51
Appearance: N/A
Storage: 0-4°C for short term (days to weeks), or -20°C for long term (months).

**Biological Description**

Description	GSK598809 is a selective and potent dopamine D3 Receptor (DRD3) antagonist (pK _i : 8.9).
Targets(IC ₅₀)	Others: None
In vivo	Cocaine and GSK598809 each increases peak mean arterial blood pressure. Least square mean differences are significant for both doses of cocaine compared with its vehicle. The dose of 3 mg/kg GSK598809 significantly increases the pressor effects of 5.6 mg/kg cocaine and of 1.7 mg/kg cocaine [1].

Solubility Information

Solubility	DMSO: 83.33 mg/mL (173.06 mM) (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.077 mL	10.384 mL	20.768 mL
5 mM	0.415 mL	2.077 mL	4.154 mL
10 mM	0.208 mL	1.038 mL	2.077 mL
50 mM	0.042 mL	0.208 mL	0.415 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

Reference

- Appel NM, et al. Dopamine D3 Receptor Antagonist (GSK598809) Potentiates the Hypertensive Effects of Cocaine in Conscious, Freely-Moving Dogs. J Pharmacol Exp Ther. 2015 Sep;354(3):484-92.
- Micheli F, et al. 1,2,4-Triazolyl azabicyclo[3.1.0]hexanes: a new series of potent and selective dopamine D(3) receptor antagonists. J Med Chem. 2010 Jan 14;53(1):374-91.

Inhibitors · Natural Compounds · Compound Libraries

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