

BMS-902483

Chemical Properties

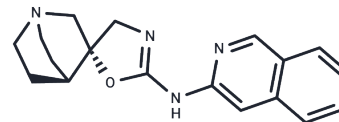
CAS No. : 1192810-88-0

Formula: C₁₈H₂₀N₄O

Molecular Weight: 308.38

Appearance: no data available

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year



Biological Description

Description	BMS-902483 is a potent $\alpha 7$ partial agonist. BMS-902483 improved cognition in preclinical rodent models. BMS-902483 showed FLIR $\alpha 7$ EC ₅₀ =9.3nM; $\alpha 7$ Electrophysiology, rat; Area EC ₅₀ = 140 nM; Peak, Area (Ymax %) = 40, 54. 5-HT _{3A} IC ₅₀ = 480 nm.
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.2428 mL	16.2138 mL	32.4275 mL
5 mM	0.6486 mL	3.2428 mL	6.4855 mL
10 mM	0.3243 mL	1.6214 mL	3.2428 mL
50 mM	0.0649 mL	0.3243 mL	0.6486 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.

Reference

Design and Synthesis of a New Series of 4-Heteroaryl amino-1'-azaspiro[oxazole-5,3'-bicyclo[2.2.2]octanes as $\alpha 7$ Nicotinic Receptor Agonists. 1. Development of Pharmacophore and Early Structure-Activity Relationship James

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