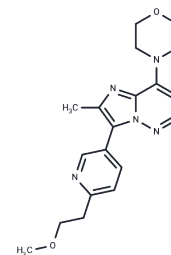


JNJ 42396302

Chemical Properties

CAS No. : 1298030-18-8
Formula: C₁₉H₂₃N₅O₂
Molecular Weight: 353.42
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	JNJ 42396302 is an effective PDE10A inhibitor that enhances motility and viability in human sperm cells.
Targets(IC50)	PDE

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.8295 mL	14.1475 mL	28.2949 mL
5 mM	0.5659 mL	2.8295 mL	5.659 mL
10 mM	0.2829 mL	1.4147 mL	2.8295 mL
50 mM	0.0566 mL	0.2829 mL	0.5659 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

Gruber FS, et al. Compounds enhancing human sperm motility identified using a high-throughput phenotypic screening platform. Hum Reprod. 2022;37(3):466-475.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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