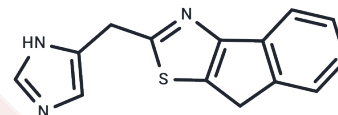


YM-31636 free base

Chemical Properties

CAS No. :	159081-22-8
Formula:	C ₁₄ H ₁₁ N ₃ S
Molecular Weight:	253.32
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	YM-31636 (free base) is an orally active, potent, and selective agonist of the 5-HT ₃ receptor with a pK _i value of 9.67. This compound induces contraction in isolated guinea pig distal colon and provokes tachycardia in isolated guinea pig right atrium, demonstrating a relative intrinsic activity of about 0.23. YM-31636 (free base) holds potential for research in constipation management.
Targets(IC ₅₀)	5-HT Receptor

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.9476 mL	19.7379 mL	39.4758 mL
5 mM	0.7895 mL	3.9476 mL	7.8952 mL
10 mM	0.3948 mL	1.9738 mL	3.9476 mL
50 mM	0.079 mL	0.3948 mL	0.7895 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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