

WAY-270360

Chemical Properties

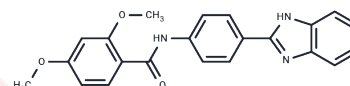
CAS No. : 476633-98-4

Formula: C₂₂H₁₉N₃O₃

Molecular Weight: 373.4

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	WAY-270360 (N-[4-(1H-benzimidazol-2-yl)phenyl]-2,4-dimethoxybenzamide) is a sirtuin modulator and an epidermal growth factor receptor (EGFR) inhibitor.
Targets(IC50)	EGFR,Sirtuin

Solubility Information

Solubility	DMSO: 25 mg/mL (66.95 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.6781 mL	13.3905 mL	26.7809 mL
5 mM	0.5356 mL	2.6781 mL	5.3562 mL
10 mM	0.2678 mL	1.339 mL	2.6781 mL
50 mM	0.0536 mL	0.2678 mL	0.5356 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

Joseph J. Nunes, et al. Preparation of benzimidazole derivatives as sirtuin modulators. WO2007019416A1

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Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481