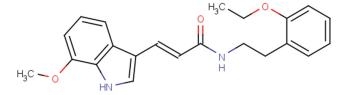


Data Sheet (Cat.No.T11718)

J1051

**Chemical Properties**

CAS No.: 2234281-75-3  
 Formula: C<sub>22</sub>H<sub>24</sub>N<sub>2</sub>O<sub>3</sub>  
 Molecular Weight: 364.44  
 Appearance: N/A  
 Storage: 0-4°C for short term (days to weeks), or -20°C for long term (months).



**Biological Description**

Description	J1051, Anti-cancer activity. is a stabilizer for the Hes1-PHB2 interaction, interacts with a cancer-associated protein chaperone prohibitin 2 (PHB2), induces cell-cycle arrest by inhibiting the Notch downstream effector gene Hes1.
Targets(IC <sub>50</sub> )	Others: None
In vitro	J1051 (0.1-10 μM, 24 hours) significantly inhibits cell proliferation of HEK293 cells, with an EC <sub>50</sub> of 0.3 μM. J1051 causes G <sub>2</sub> /M cell-cycle arrest.

**Solubility Information**

Solubility	DMSO: 125 mg/mL (342.99 mM) ( < 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.744 mL	13.72 mL	27.439 mL
5 mM	0.549 mL	2.744 mL	5.488 mL
10 mM	0.274 mL	1.372 mL	2.744 mL
50 mM	0.055 mL	0.274 mL	0.549 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

1. Perron A, et al. Small-molecule screening yields a compound that inhibits the cancer-associated transcription factor Hes1 via the PHB2 chaperone. *J Biol Chem.* 2018 May 25;293(21):8285-8294.

Inhibitors · Natural Compounds · Compound Libraries

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