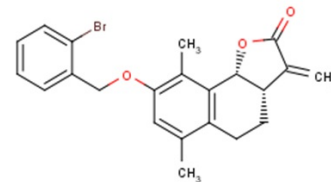


UbcH5c-IN-1

**Chemical Properties**

CAS No.: 2123480-72-6  
Formula: C<sub>22</sub>H<sub>21</sub>BrO<sub>3</sub>  
Molecular Weight: 413.3  
Appearance: N/A  
Storage: 0-4°C for short term (days to weeks), or -20°C for long term (months).

**Biological Description**

Description	UbcH5c-IN-1 is a selective small-molecule Ubiquitin-conjugating enzyme UbcH5c inhibitor (K <sub>d</sub> : 283 nM for E2 UbcH5c-IN-1 by covalent binding with Cys85).
Targets(IC <sub>50</sub> )	E2 UbcH5c: (K <sub>d</sub> )283 nM
In vivo	In Freund's adjuvant (CFA)-induced adjuvant arthritis (AA) rat model, UbcH5c-IN-1 (5 and 20 mg/kg, p.o., daily, 10-20 days) treatment results in appreciable decreases in the arthritis index score and hind paw swelling rate compared with those of the vehicle-treated AA model control group.

**Solubility Information**

Solubility	< 1 mg/ml refers to the product slightly soluble or insoluble
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.42 mL	12.098 mL	24.195 mL
5 mM	0.484 mL	2.42 mL	4.839 mL
10 mM	0.242 mL	1.21 mL	2.42 mL
50 mM	0.048 mL	0.242 mL	0.484 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. Chen H, et al. Discovery of Potent Small-Molecule Inhibitors of Ubiquitin-Conjugating Enzyme UbcH5c from  $\alpha$ -Santonin Derivatives. J Med Chem. 2017 Aug 24;60(16):6828-6852.

Inhibitors · Natural Compounds · Compound Libraries

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