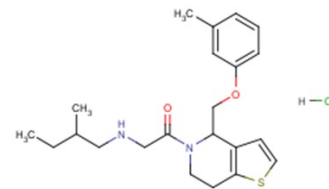


## RU-SKI 43 hydrochloride

## Chemical Properties

CAS No.:	1782573-67-4
Formula:	C <sub>22</sub> H <sub>31</sub> ClN <sub>2</sub> O <sub>2</sub> S
Molecular Weight:	423.01
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).



## Biological Description

Description	RU-SKI 43 hydrochloride is a potent and selective inhibitor of Hedgehog acyltransferase (Hhat)(IC <sub>50</sub> of 850 nM), has anti-cancer activity.
Targets(IC <sub>50</sub> )	Hhat: 850 nM
In vivo	After IV administration, RU-SKI 43 hydrochloride has a t <sub>1/2</sub> of 17 min in mouse plasma[1].

## Solubility Information

Solubility	DMSO: 51 mg/mL (120.56 mM) H <sub>2</sub> O: 2.5 mg/mL (5.91 mM) ( < 1 mg/ml refers to the product slightly soluble or insoluble)
------------	---

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.364 mL	11.82 mL	23.64 mL
5 mM	0.473 mL	2.364 mL	4.728 mL
10 mM	0.236 mL	1.182 mL	2.364 mL
50 mM	0.047 mL	0.236 mL	0.473 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

- Petrova E, et al. Inhibitors of Hedgehog acyltransferase block Sonic Hedgehog signaling. Nat Chem Biol. 2013 Apr;9(4):247-9.
- Petrova E, et al. Hedgehog acyltransferase as a target in pancreatic ductal adenocarcinoma. Oncogene. 2014 Jan 27. doi: 10.1038/onc.2013.575.

Inhibitors · Natural Compounds · Compound Libraries

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use.

Tel:781-999-4286

E-mail:[info@targetmol.com](mailto:info@targetmol.com)

Address:36 Washington Street,Wellesley Hills,MA 02481