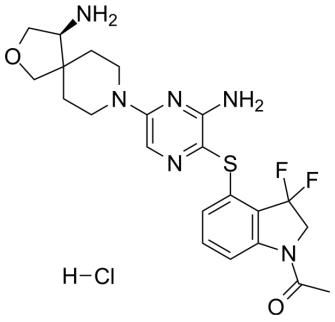
JAB-3068 hydrochloride

Cat. No.:	HY-131132A
CAS No.:	2169223-49-6
Molecular Formula:	$C_{22}H_{27}ClF_2N_6O_2S$
Molecular Weight:	513
Target:	Phosphatase; SHP2
Pathway:	Metabolic Enzyme/Protease; Protein Tyrosine Kinase/RTK
Storage:	-20°C, sealed storage, away from moisture and light * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture and light)



SOLVENT & SOLUBILITY

In Vitro

DMSO : 115 mg/mL (224.17 mM; Need ultrasonic)

Preparing Stock Solutions	Concentration \ Solvent \ Mass	1 mg	5 mg	10 mg
	1 mM	1.9493 mL	9.7466 mL	19.4932 mL
	5 mM	0.3899 mL	1.9493 mL	3.8986 mL
	10 mM	0.1949 mL	0.9747 mL	1.9493 mL

Please refer to the solubility information to select the appropriate solvent.

In Vivo

1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline
   Solubility: ≥ 5.75 mg/mL (11.21 mM); Clear solution
2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
   Solubility: ≥ 5.75 mg/mL (11.21 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

JAB-3068 (SHP2-IN-6) hydrochloride is a potent SHP2 inhibitor with an IC_{50} of 25.8 nM. JAB-3068 hydrochloride is extracted from patent WO2017211303A1, compound 7[1].

In Vitro

JAB-3068 hydrochloride inhibits the proliferation of KYSE-520 cells with an IC_{50} of 2.17 μM[1].

MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Cunbo Ma, et al. Novel heterocyclic derivatives useful as shp2 inhibitors. WO2017211303A1.

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: 609-228-6898 Fax: 609-228-5909 E-mail: tech@MedChemExpress.com
Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA