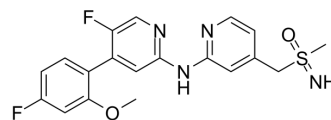


(±)-Enitociclib

Cat. No.:	HY-103019A		
CAS No.:	1610358-53-6		
Molecular Formula:	C ₁₉ H ₁₈ F ₂ N ₄ O ₂ S		
Molecular Weight:	404.43		
Target:	CDK		
Pathway:	Cell Cycle/DNA Damage		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	2 years
		-20°C	1 year



SOLVENT & SOLUBILITY

In Vitro

DMSO : 50 mg/mL (123.63 mM; Need ultrasonic)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	2.4726 mL	12.3631 mL	24.7262 mL
	5 mM	0.4945 mL	2.4726 mL	4.9452 mL
	10 mM	0.2473 mL	1.2363 mL	2.4726 mL

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

In Vivo

- Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline
Solubility: ≥ 2.5 mg/mL (6.18 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
Solubility: ≥ 2.5 mg/mL (6.18 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil
Solubility: ≥ 2.5 mg/mL (6.18 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

(±)-Enitociclib ((±)-BAY-1251152) is a racemic mixture of BAY-1251152. BAY-1251152 is a potent and highly selective PTEF/CDK9 inhibitor.

REFERENCES

[1]. Luecking, et al. Identification of potent and highly selective PTEFb inhibitor BAY 1251152 for the treatment of cancer: from p.o. to i.v. application via scaffold hops [abstract]. In: Proceedings of the American Association for Cancer Research Annual Meet

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