ARS-1323

Cat. No.: HY-U00416

CAS No.: 1698024-73-5

Molecular Formula: $C_{21}H_{17}ClF_2N_4O_2$

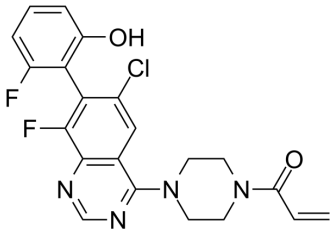
Molecular Weight: 430.84

Target: Ras

Pathway: GPCR/G Protein; MAPK/ERK Pathway

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 : 100 mg/mL (232.10 mM; Need ultrasonic)

Preparing Stock Solutions

Solvent / Mass / Concentration	1 mg	5 mg	10 mg
1 mM	2.3210 mL	11.6052 mL	23.2105 mL
5 mM	0.4642 mL	2.3210 mL	4.6421 mL
10 mM	0.2321 mL	1.1605 mL	2.3210 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: ≥ 2.5 mg/mL (5.80 mM); Clear solution
2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
   Solubility: ≥ 2.5 mg/mL (5.80 mM); Clear solution
3. Add each solvent one by one: 10% DMSO >> 90% corn oil
   Solubility: ≥ 2.5 mg/mL (5.80 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

ARS-1323, the racemate of ARS-1620, is a novel inhibitor of mutant K-ras G12C extracted from patent WO 2015054572 A1.

IC_{50} & Target

KRas G12C

REFERENCES

[1]. Liansheng Li, et al. Inhibitors of kras g12c. WO 2015054572 A1.

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