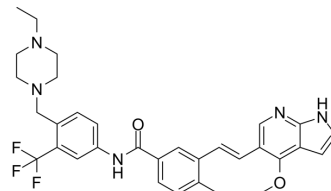


HG6-64-1

Cat. No.:	HY-12291
CAS No.:	1315329-43-1
Molecular Formula:	C ₃₂ H ₃₄ F ₃ N ₅ O ₂
Molecular Weight:	577.64
Target:	Raf
Pathway:	MAPK/ERK Pathway
Storage:	4°C, protect from light, stored under nitrogen * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light, stored under nitrogen)



SOLVENT & SOLUBILITY

In Vitro

DMSO : ≥ 100 mg/mL (173.12 mM)
* "≥" means soluble, but saturation unknown.

Concentration	Mass		
	1 mg	5 mg	10 mg
1 mM	1.7312 mL	8.6559 mL	17.3118 mL
5 mM	0.3462 mL	1.7312 mL	3.4624 mL
10 mM	0.1731 mL	0.8656 mL	1.7312 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: ≥ 3 mg/mL (5.19 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
Solubility: 3 mg/mL (5.19 mM); Suspended solution; Need ultrasonic

BIOLOGICAL ACTIVITY

Description

HG6-64-1 is a potent and selective B-Raf inhibitor extracted from patent WO 2011090738 A2, example 9 (XI-1); has a IC₅₀ of 0.09 μM on B-raf V600E transformed Ba/F3 cells.

IC₅₀ & Target

B-Raf^{V600E}
0.09 μM (IC₅₀, in Ba/F3 cells)

REFERENCES

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