MRTX-EX185 formic

Cat. No.: HY-145962A

Molecular Formula: $C_{34}H_{35}FN_6O_4$

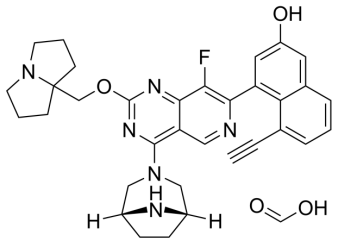
Molecular Weight: 610.68

Target: Ras

Pathway: GPCR/G Protein

Storage:

Powder	-20°C	3 years
In solvent	-80°C	6 months
	-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : 125 mg/mL (204.69 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent / Mass / Concentration	1 mg	5 mg	10 mg
	1 mM	1.6375 mL	8.1876 mL	16.3752 mL
	5 mM	0.3275 mL	1.6375 mL	3.2750 mL
	10 mM	0.1638 mL	0.8188 mL	1.6375 mL

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

In Vivo

1. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
   Solubility: 2.08 mg/mL (3.41 mM); Suspended solution; Need ultrasonic

BIOLOGICAL ACTIVITY

Description

MRTX-EX185 formic is a potent inhibitor of GDP-loaded KRAS and KRAS(G12D), with an IC_{50} of 90 nM for KRAS(G12D). MRTX-EX185 formic also binds GDP-loaded HRAS[1]. MRTX-EX185 (formic) is a click chemistry reagent, itcontains an Alkyne group and can undergo copper-catalyzed azide-alkyne cycloaddition (CuAAc) with molecules containing Azide groups.

IC_{50} & Target

KRas G12D
90 nM (IC_{50})

REFERENCES

[1]. Vasta JD, et, al. KRAS is vulnerable to reversible switch-II pocket engagement in cells. Nat Chem Biol. 2022 Mar 21.

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