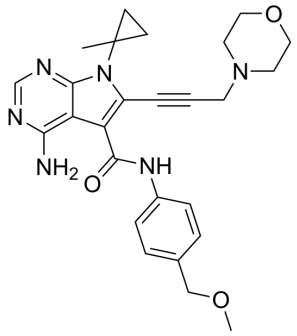
Vepafestinib

Cat. No.:	HY-132846
CAS No.:	2129515-96-2
Molecular Formula:	$C_{26}H_{30}N_6O_3$
Molecular Weight:	474.55
Target:	RET
Pathway:	Protein Tyrosine Kinase/RTK
Storage:	Powder -20°C 3 years In solvent -80°C 6 months -20°C 1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : 50 mg/mL (105.36 mM; Need ultrasonic)

Preparing Stock Solutions	Mass / Solvent / Concentration	1 mg	5 mg	10 mg
	1 mM	2.1073 mL	10.5363 mL	21.0726 mL
	5 mM	0.4215 mL	2.1073 mL	4.2145 mL
	10 mM	0.2107 mL	1.0536 mL	2.1073 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: ≥ 1 mg/mL (2.11 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

Vepafestinib (TAS0953/HM06; compound 6) is a RET inhibitor (extracted from patent WO2019039439)[1]. Vepafestinib is a click chemistry reagent, it contains an Alkyne group and can undergo copper-catalyzed azide-alkyne cycloaddition (CuAAc) with molecules containing Azide groups.

REFERENCES

[1]. Hayashi, Kohei, et al. FUSION PROTEIN OF DCTN1 PROTEIN WITH RET PROTEIN. WO2019039439.

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

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