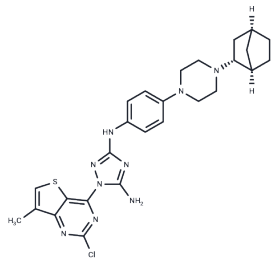
Data Sheet (Cat.No.T12650)

TargetMol
YOUR TARGET MOLECULES

R916562

Chemical Properties



CAS No. : 1037798-41-6

Formula: C26H30ClN9S

Molecular Weight: 536.09

Appearance: no data available

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Biological Description

Description	R916562 is an orally active and selective Axl/VEGF-R2 inhibitor with IC50s of 136 nM and 24 nM, respectively. R916562 has anti-angiogenesis and anti-metastasis.
Targets(IC50)	TAM Receptor
In vivo	Treatment with R916562 at dosages of 85 mg/kg or 125 mg/kg (administered orally twice daily for 21 days) leads to statistically significant tumor growth inhibitions of 69% and 83%, respectively. Additionally, R916562 achieves a 73% reduction in fibroblast growth factor-induced neovascularization in the mouse corneal micropocket assay at 100 mg/kg, and a 50% reduction at 50 mg/kg[1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.8654 mL	9.3268 mL	18.6536 mL
5 mM	0.3731 mL	1.8654 mL	3.7307 mL
10 mM	0.1865 mL	0.9327 mL	1.8654 mL
50 mM	0.0373 mL	0.1865 mL	0.3731 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Reference

Goff D, et al. Discovery of dual Axl/VEGF-R2 inhibitors as potential anti-angiogenic and anti-metastatic drugs for cancer chemotherapy. Bioorg Med Chem Lett. 2017 Aug 15; 27(16):3766-3771.

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