Product Data Sheet

BAY-474

Cat. No.: HY-133083 **CAS No.:** 1033767-86-0

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: 125 mg/mL (432.03 mM; Need ultrasonic)

	Solvent Mass Concentration	1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	3.4563 mL	17.2813 mL	34.5626 mL
	5 mM	0.6913 mL	3.4563 mL	6.9125 mL
	10 mM	0.3456 mL	1.7281 mL	3.4563 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: ≥ 2.08 mg/mL (7.19 mM); Clear solution
- 2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE- β -CD in saline) Solubility: 2.08 mg/mL (7.19 mM); Suspended solution; Need ultrasonic
- Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.08 mg/mL (7.19 mM); Clear solution

BIOLOGICAL ACTIVITY

Description	BAY-474 is a tyrosine-protein kinase c-Met inhibitor. BAY-474 acts as an epigenetics probe $^{[1]}$.
IC ₅₀ & Target	$c ext{-}Met^{[1]}$

REFERENCES

1]. Müller S, et al. Donated chemical probes for open science. Elife. 2018 Apr 20;7. pii: e34311.							
Caution: Product has not been fully validated for medical applications. For research use only.							
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