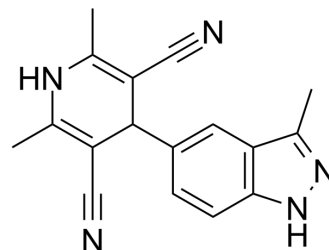


## BAY-474

Cat. No.:	HY-133083		
CAS No.:	1033767-86-0		
Molecular Formula:	C <sub>17</sub> H <sub>15</sub> N <sub>5</sub>		
Molecular Weight:	289.33		
Target:	c-Met/HGFR		
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)

Concentration	Solvent	Mass		
		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

- 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
- 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<sup>[1]</sup>.

### IC<sub>50</sub> & Target

c-Met<sup>[1]</sup>

## REFERENCES

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

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