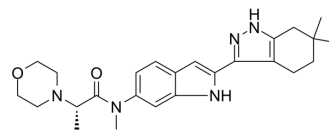


## ITK inhibitor 2

Cat. No.:	HY-128726		
CAS No.:	1309784-09-5		
Molecular Formula:	C <sub>25</sub> H <sub>33</sub> N <sub>5</sub> O <sub>2</sub>		
Molecular Weight:	435.56		
Target:	Itk		
Pathway:	Protein Tyrosine Kinase/RTK		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



### SOLVENT & SOLUBILITY

#### In Vitro

DMSO : 125 mg/mL (286.99 mM; Need ultrasonic)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	2.2959 mL	11.4795 mL	22.9590 mL
	5 mM	0.4592 mL	2.2959 mL	4.5918 mL
	10 mM	0.2296 mL	1.1479 mL	2.2959 mL

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

### BIOLOGICAL ACTIVITY

#### Description

ITK inhibitor 2 is a interleukin-2-inducible T-cell kinase (ITK) inhibitor extracted from patent WO2011065402A1, compound 4, with an IC<sub>50</sub> of 2 nM.

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

IC<sub>50</sub>: 2 nM (ITK inhibitor 2)<sup>[1]</sup>

### REFERENCES

[1]. Teruhiko Inoue, et al. Indole compounds and their pharmaceutical use.

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

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