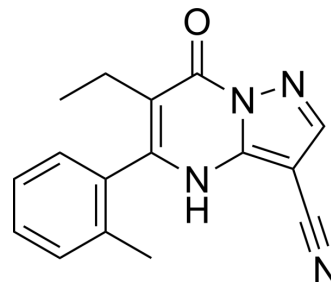


## CPI-4203

Cat. No.:	HY-123419
CAS No.:	1628214-07-2
Molecular Formula:	C <sub>16</sub> H <sub>14</sub> N <sub>4</sub> O
Molecular Weight:	278.31
Target:	Histone Demethylase
Pathway:	Epigenetics
Storage:	<div>Powder -20°C 3 years</div> <div>In solvent -80°C 6 months</div> <div>-20°C 1 month</div>



## SOLVENT & SOLUBILITY

### In Vitro

DMSO : 25 mg/mL (89.83 mM; Need ultrasonic and warming)

	Solvent Concentration	Mass	1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM		3.5931 mL	17.9656 mL	35.9312 mL
	5 mM		0.7186 mL	3.5931 mL	7.1862 mL
	10 mM		0.3593 mL	1.7966 mL	3.5931 mL

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

## BIOLOGICAL ACTIVITY

### Description

CPI-4203 is a potent KDM5A inhibitor with an IC<sub>50</sub> of 250 nM. CPI-4203 is competitive with 2-oxoglutarate (2-OG). CPI-4203 is structurally related to CPI-455 (HY-100421) but is less potent<sup>[1]</sup>.

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

IC<sub>50</sub>: 250 nM (KDM5A)<sup>[1]</sup>

## REFERENCES

[1]. Vinogradova M, et al. An inhibitor of KDM5 demethylases reduces survival of drug-tolerant cancer cells. Nat Chem Biol. 2016 Jul;12(7):531-8.

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

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