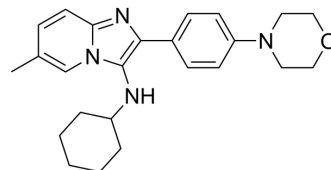


## EP6

Cat. No.:	HY-120495
CAS No.:	1353567-32-4
Molecular Formula:	C <sub>24</sub> H <sub>30</sub> N <sub>4</sub> O
Molecular Weight:	390.52
Target:	Lipoxygenase
Pathway:	Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

Description	EP6 is a potent 5-Lipoxygenase (5-LO) inhibitor. EP6 inhibits the cell viability of tumor cells without mutagenic activity. EP6 can be used in research of cancer <sup>[1]</sup> .
IC <sub>50</sub> & Target	5-Lipoxygenase 0.05 μM (IC <sub>50</sub> )
In Vitro	EP6 suppresses 5-LO activity in intact polymorphonuclear leukocytes with an IC <sub>50</sub> value of 0.16 μM and exhibits full inhibitory potency in cell free assays (IC <sub>50</sub> value of 0.05 μM for purified 5-LO) <sup>[1]</sup> . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

### REFERENCES

[1]. Wisniewska JM, et, al. Molecular characterization of EP6--a novel imidazo[1,2-a]pyridine based direct 5-lipoxygenase inhibitor. *Biochem Pharmacol.* 2012 Jan 15;83(2):228-40.

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

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