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# Data Sheet

Global Supplier of Chemical Probes, Inhibitors & Agonists.

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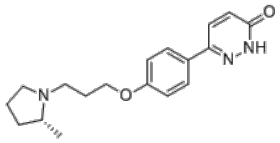
|---|---|---|
| **Product Name** | : | Irdabisant |
| **Cat. No.** | : | PC-61615 |
| **CAS No.** | : | 1005402-19-6 |
| **Molecular Formula** | : | $C_{18}H_{23}N_3O_2$ |
| **Molecular Weight** | : | 313.401 |
| **Target** | : | Histamine Receptor |
| **Solubility** | : | 10 mM in DMSO |




## Biological Activity

Irdabisant (CEP-26401) is a potent, selective, orally active **histamine H3 receptor** antagonist with Ki of 2 nM and 7 nM for human and rat H3Rs, respectivity.
Irdabisant (CEP-26401) displays >1,000-fold selectivity over the H1R, H2R, and hH4R subtypes.
Irdabisant (CEP-26401) dose-dependently inhibits H3R agonist-induced dipsogenia in the rat (ED50=0.06 mg/kg po).
vexhibits cognition-enhancing and wake-promoting activities in mice.

## References

Hudkins RL, et al. ***J Med Chem.*** 2011 Jul 14;54(13):4781-92.

Raddatz R, et al. ***J Pharmacol Exp Ther.*** 2012 Jan;340(1):124-33.

Spiegelstein O, et al. ***J Psychopharmacol.*** 2016 Oct;30(10):983-93.



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