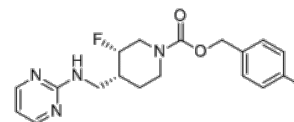


**Product Name** : Rislenemdaz  
**Cat. No.** : PC-42691  
**CAS No.** : 808732-98-1  
**Molecular Formula** : C<sub>19</sub>H<sub>23</sub>FN<sub>4</sub>O<sub>2</sub>  
**Molecular Weight** : 358.417  
**Target** : iGluR  
**Solubility** : 10 mM in DMSO



## Biological Activity

Rislenemdaz (MK-0657, CERC-301) is a potent, orally bioavailable brain-penetrant, NR2B-selective NMDA receptor (**GluN2B**) antagonist with  $K_i$  and  $IC_{50}$  of 8.1 nM and 3.6 nM respectively, with no off-target activity.

Rislenemdaz (MK-0657, CERC-301) inhibits calcium influx into agonist-stimulated NMDA-GluN1a/GluN2B L(tk-) cells with  $IC_{50}$  of 3.6 nM, with no effect on GluN2A up to 30  $\mu$ M.

Rislenemdaz (MK-0657, CERC-301) significantly decreases immobility frequency and increases swimming behavior in acute depression models.

## References

Addy C, et al. *J Clin Pharmacol*. 2009 Jul;49(7):856-64.

Ibrahim L, et al. *J Clin Psychopharmacol*. 2012 Aug;32(4):551-7.

Garner R, et al. *Pharmacol Res Perspect*. 2015 Dec 23;3(6):e00198.

**Caution: Product has not been fully validated for medical applications. Lab Use Only!**

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