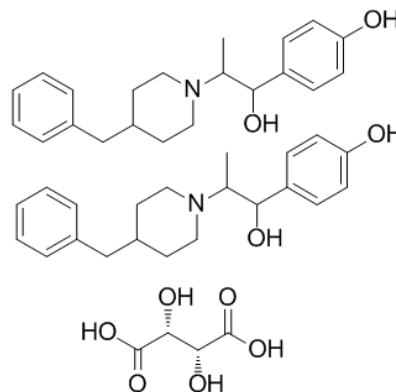


**Product Name** : Ifenprodil tartrate  
**Cat. No.** : PC-43280  
**CAS No.** : 23210-58-4  
**Molecular Formula** :  $C_{21}H_{27}NO_2 \cdot \frac{1}{2}C_4H_6O_6$   
**Molecular Weight** : 400.49  
**Target** : iGluR  
**Solubility** : DMSO:  $\geq 500$  mg/mL



## Biological Activity

Ifenprodil tartrate is a potent, **GluN2B**-specific inhibitor **NMDA** receptor antagonist, specifically targets NR1A/NR2B receptors with IC<sub>50</sub> of 0.34  $\mu$ M, 400-fold selective over NR1A/NR2A receptors. Ifenprodil tartrate also inhibits GIRK channels, and interacts with  $\alpha$ 1 adrenergic, serotonin, and sigma receptors.

## References

- Korinek M, et al. **Steroids**. 2011 Dec 11;76(13):1409-18.  
 Kobayashi T, et al. **Neuropsychopharmacology**. 2006 Mar;31(3):516-24.

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

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