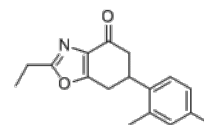


**Product Name** : ADX71743  
**Cat. No.** : PC-20615  
**CAS No.** : 1431641-29-0  
**Molecular Formula** : C<sub>17</sub>H<sub>19</sub>NO<sub>2</sub>  
**Molecular Weight** : 269.34  
**Target** : mGluR  
**Solubility** : 10 mM in DMSO



CAS: 1431641-29-0

## Biological Activity

ADX71743 is a potent, selective and brain-penetrant **mGluR7** negative allosteric modulator with EC<sub>50</sub> of 63 and 88 nM for human and mouse mGluR7, respectively.

ADX71743 induced a concentration-dependent rightward shift of the L-AP4 concentration-response curve without any impact on maximal efficacy of the agonist. no detectable activity (agonist or allosteric effects) in cell lines expressing hmGlu3, hmGlu4, rmGlu5, hmGlu6, and hmGlu8.

ADX71743 (50, 100, 150 mg/kg, s.c.) caused no impairment of locomotor activity in rats and mice or activity on rotarod in mice.

ADX71743 had an anxiolytic-like profile in the marble burying and elevated plus maze tests, dose-dependently reducing the number of buried marbles and increasing open arm exploration, respectively.

## References

Kalinichev M, et al. *J Pharmacol Exp Ther.* 2013 Mar;344(3):624-36.

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

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