
Product Data Sheet

Product Name: (+/-)-ADX 71743

Cat. No.: GC50245

Chemical Properties

Cas. No. 1431641-29-0

SMILES CC(C=C1C)=CC=C1C(CC2=C3N=C(CC)O2)CC3=OFormula C₁₇H₁₉NO₂ M.Wt 269.34

Solubility Soluble in DMSO Storage Store at -20°C

General tips For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.

Structure **Background**

Negative allosteric modulator at mGlu7 (IC₅₀ = 300 nM). Blocks high frequency-induced LTP at SC-CA1 synapses in hippocampal slices in vitro. Increases evoked excitatory postsynaptic currents (eEPSCs) in mice. Brain penetrant.

Klar et al (2015) Activation of metabotropic glutamate receptor 7 is required for induction of long-term potentiation at SC-CA1 synapses in the hippocampus. J. Neurosci. 35 7600 PMID:25972184 | Tassin et al (2016) Phasic and tonic mGlu7 receptor activity modulates the thalamocortical network. Front Neural Circuits 10 31 PMID:27199672

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

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