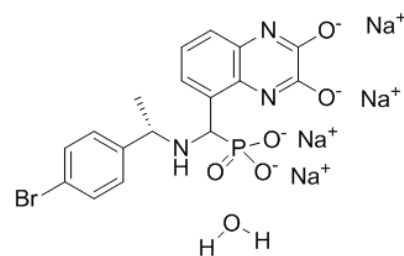


Product Name : PEAQX tetrasodium hydrate
Cat. No. : PC-42958
CAS No. :
Molecular Formula : C₁₇H₁₅BrN₃Na₄O₆P
Molecular Weight : 560.1544
Target : iGluR
Solubility : H₂O: 25.5 mg/mL



Biological Activity

PEAQX (NVP-AAM077) is a potent, selective, NR2A-preferring NMDA receptor antagonist with IC₅₀ of 270 nM (NR1A/2A), >100-fold selectivity over NR1A/2B receptor (IC₅₀=29,600 nM); shows high binding affinity for NMDA receptors (IC₅₀=8 nM), induces social facilitation in adolescent male rats (1.25, 3.75mg/kg); enhances locomotor activity in response to PCP challenge in vivo.

References

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Anastasio NC, et al. *Neuroscience*. 2009 Nov 10;163(4):1181-91.
Bortolato M, et al. *J Neurosci*. 2012 Jun 20;32(25):8574-82.
Morales M, et al. *Psychopharmacology (Berl)*. 2014 Apr;231(8):1797-807.

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

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