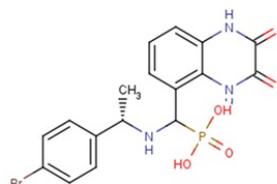


Product Name	: PEAQX
Synonyms	: NVP-AAM077; NVP-AAM 077; NVP-AAM-077
Cat No.	: M17513
CAS Number	: 459836-30-7
Molecular Formula	: C ₁₇ H ₁₇ BrN ₃ Na ₂ O ₆ P
Formula Weight	: 516.2
Chemical Name	: sodium (((S)-1-(4-bromophenyl)ethyl)amino)(2,3-dioxidoquinoxalin-5-yl)methyl)phosphonate hydrate .
Description	: PEAQX, also known as NVP-AAM077, is a competitive antagonist at the NMDA receptor. Although originally described as 100-fold selective for GluN1/GluN2A receptors vs. GluN1/GluN2B receptors, more detailed studies of the K _i of PEAQX revealed it only shows a 5 fold difference in affinity for GluN1/GluN2A vs. GluN1/GluN2B receptors. It is also a potent anticonvulsant in animal tests.
Pathway	: Neuroscience
Target	: Gamma-secretase
Receptor	: hNMDA 1A/2A receptors
Solubility	: —
SMILES	: O=C1C(=O)[nH]c2c(c(C(P(=O)(O)O)N[C@H](c3ccc(Br)cc3)C)ccc2)[nH]1
Storage	: (-20°C)
Stability	: ≥ 2 years
Reference	:



1. Auberson YP, et al. Bioorg Med Chem Lett. 2002 Apr 8;12(7):1099-102.