

Certificate Of Analysis

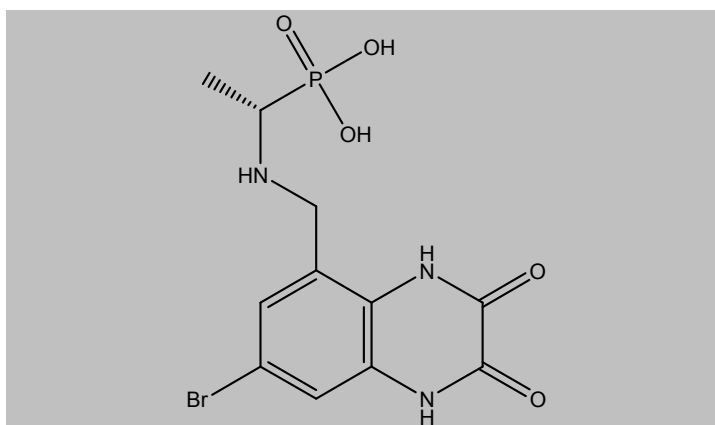
Quality Control Testing and Research Application

COA Preparation Date: 03/07/2014
COA Revision Date: 03/07/2017

Product: CGP 78608
Cat. No.: BN0678
Batch No.: 0678BN/01
Chemical Name: [(1S)-1-[[[(7-Bromo-1,2,3,4-tetrahydro-2,3-dioxo-5-quinoxaliny]methyl]amino]ethyl]phosphonic acid

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₁₁H₁₃BrN₃O₅P
Batch Molecular Weight: 378.12
CAS No.:
Physical Appearance: White solid
Melting Point:
Solubility: Soluble to 100 mM in DMSO
Storage: RT
Batch Molecular Structure:



Product Description: Anticonvulsant agent. Selective and potent NMDA receptor antagonist that acts through the glycine site (IC₅₀ = 5 nM). Displays > 500-fold selectivity over Kainate and AMPA receptors (IC₅₀ values are 2.7 and 3 µM respectively). Prevents activation of the NMDA/NO/cGMP pathway by ammonia.

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References: 1. Auberson et al. (1999) Bioorg Med Chem Lett 9:249; 2. Ametamey et al. (2000) Bioorg Med Chem Lett 10:75; 3. Hilgier et al. (2004) Brain Res 1015:186

- CAUTION - Not fully tested. For Research use only. Not for human use. -



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2. ANALYTICAL DATA

HPLC: corresponds to the reference

MS: corresponds to the reference

Tests: HPLC Assay: > 98% (complies).

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