cis-PPDA, GluN2C/GluN2D NMDA antagonist ab120047

Overview

Product name: cis-PPDA, GluN2C/GluN2D NMDA antagonist
Description: GluN2C/GluN2D (formerly NR2C/NR2D) NMDA antagonist
Biological description: Potent GluN2C/GluN2D (formerly NR2C/NR2D)-preferring NMDA receptor antagonist. \( K_i \) values for recombinant rat receptors are 0.096 (NR2C), 0.125 (NR2D), 0.55 (NR2A) and 0.31 \( \mu \text{M} \) (NR2B).

CAS Number: 684283-16-7

Chemical structure:

![Chemical structure of cis-PPDA](image)

Properties

Chemical name: \((2R^*,3S^*)\)-1-(Phenanthrenyl-2-carbonyl)piperazine-2,3-dicarboxylic acid
Molecular weight: 378.38
Molecular formula: C\(_{21}\)H\(_{18}\)N\(_2\)O\(_5\)
PubChem identifier: 10293029
Storage instructions: Store at +4°C. Store under desiccating conditions. The product can be stored for up to 12 months.

Solubility overview: Soluble in 2 eq. NaOH to 50 mM (with warming)

Handling: Wherever possible, you should prepare and use solutions on the same day. However, if you need to make up stock solutions in advance, we recommend that you store the solution as aliquots in tightly sealed vials at -20°C. Generally, these will be useable for up to one month. Before use, and prior to opening the vial we recommend that you allow your product to equilibrate to room temperature for at least 1 hour.

Refer to SDS for further information

Need more advice on solubility, usage and handling? Please visit our frequently asked questions (FAQ) page for more details.
SMILES: O=C(c2cc3ccc1cccc1c3cc2)N4CCNC(C(=O)O)C4C(=O)O
Source: Synthetic

2D chemical structure image of ab120047, cis-PPDA, GluN2C/GluN2D NMDA antagonist

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES, NOT FOR USE IN HUMANS"

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