Overview


Description: Clozapine metabolite. M₁ agonist. D₂/D₃ agonist.

Biological description: Brain penetrant metabolite of the atypical antipsychotic clozapine. Broad range of actions. Potent allosteric M₁ partial agonist (IC₅₀ = 55 nM for inhibition of [³H]-NMS binding). D₂/D₃ partial agonist. Also displays affinity at 5-HT₁ and 5-HT₂.

Purity: > 99%

CAS Number: 6104-71-8

Chemical structure:

Chemical name: 8-Chloro-11-(1-piperazinyl)-5H-dibenzo[b,e][1,4]diazepine

Molecular weight: 312.80

Molecular formula: C₁₇H₁₇ClN₄

PubChem identifier: 2820

Storage instructions: Store at +4°C. Store under desiccating conditions. The product can be stored for up to 12 months.

Solubility overview: Soluble in DMSO to 100 mM

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.
Need more advice on solubility, usage and handling? Please visit our frequently asked questions (FAQ) page for more details.

**SMILES**

Clc1ccc2Nc4ccccc4C(=Nc2c1)N3CCNCC3

**Source**

Synthetic

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

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- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
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**Terms and conditions**

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors
- Abcam biochemicals are novel compounds and we have not tested their biological activity in house. Please use the literature to identify how to use these products effectively. If you require further assistance please contact the scientific support team