Overview

Product name: Dextromethorphan hydrobromide

Description: Non-competitive, low affinity NMDA receptor antagonist

Biological description: Non-competitive, low affinity NMDA receptor antagonist. Displays antitussive and neuroprotective effects. Active \textit{in vivo}.

Also available in simple stock solutions (ab146729) - add 1 ml of water to get an exact, ready-to-use concentration.

Purity: > 99%

Properties

Chemical name: (9α,13α,14α)-3-Methoxy-17-methylmorphinan hydrobromide

Molecular weight: 352.31

Chemical structure:

![Chemical structure image]

Molecular formula: C_{18}H_{25}NO.HBr

CAS Number: 125-69-9

PubChem identifier: 5462351

Storage instructions: Store at Room Temperature. Store under desiccating conditions. The product can be stored for up to 12 months.

Solubility overview: Soluble in water to 50 mM and in ethanol 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 \textit{frequently asked questions (FAQ) page} for more details.
SMILES  
\text{Br.COc3ccc4C[@@H]1N(C)CC[C@]2(CCCC[C@@H]12)c4c3}

Source  
Synthetic

Please note: All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE, NOT FOR USE IN HUMANS"

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