Dextrorphan (tartrate)
Item No. 15886

CAS Registry No.: 143-98-6
Formal Name: (9α,13α,14α)-17-methyl-morphinan-3-ol
2R,3R-dihydroxybutanediol
Synonyms: d-3-hydroxy-N-Methylmorphinan tartrate, NIH 4591
MF: C_{17}H_{23}NO • C_{4}H_{6}O_{6}
FW: 407.5
Purity: ≥98%
Supplied as: A crystalline solid
Storage: -20°C
Stability: ≥4 years

Information represents the product specifications. Batch specific analytical results are provided on each certificate of analysis.

Description

Dextrorphan is a phencyclidine-like metabolite of dextromethorphan (Item No. 13950), an antitussive found in cough medicines.\(^1\) Dextrorphan, while also having antitussive activity, is psychoactive, leading to the abuse of cough medicines containing the parent compound.\(^1,2\) Dextrorphan antagonizes NMDA and \(\mu\)-opiod receptors (\(K_i = 54\) and 420 nM, respectively) and inhibits norepinephrine and serotonin transporters (\(K_i = 340\) and 401 nM, respectively).\(^3,5\) This product is intended for forensic and research applications.

This product is a qualified Reference Material (RM) that has been manufactured and tested to meet ISO/IEC 17025 and ISO Guide 34 guidelines. These materials are tested using validated analytical methods on qualified instrumentation to ensure traceability of measurements. All traceable RMs may be distinguished by their CofAs and can be downloaded using the batch number located on the product label. For a representative CofA please contact our technical support.

References