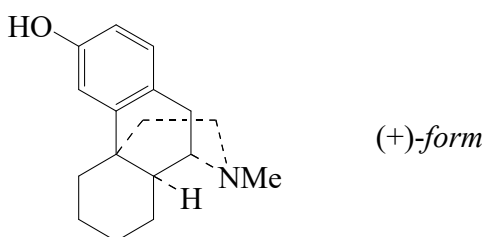




>>Entry Name: 17-Methylmorphinan-3-ol, 9Cl

Synonym(s): 3-Hydroxy-*N*-methylmorphinan



Related CAS Registry Numbers(s): 125-72-4 6700-34-1 6700-40-9

Molecular Formula: C<sub>17</sub>H<sub>23</sub>NO

Molecular Weight: 257.375

Accurate Mass: 257.177964

Percentage Composition: C 79.33%; H 9.01%; N 5.44%; O 6.22%

Use/Importance: Narcotic analgesic

>>Variant: (+)-form

Synonym(s): Dextrorphan, BAN, INN. Dextro-Dromoran. Ro 1-6794

CAS Registry Number: 125-73-5

Molecular Formula: C<sub>17</sub>H<sub>23</sub>NO

Molecular Weight: 257.375

Accurate Mass: 257.177964

Percentage Composition: C 79.33%; H 9.01%; N 5.44%; O 6.22%

Physical Description: Cryst. + 1H<sub>2</sub>O

Melting Point: Mp 198-199°

Optical Rotation: [α]<sub>D</sub><sup>20</sup> +56.3 (c, 3 in EtOH)

Calculated Log P Data: Log P 3.4 (uncertain value) (calc)

Hazard & Toxicity: Exp. reprod. effects

>>Derivative: Tartrate

Synonym(s): Dextrorphan tartrate

CAS Registry Number: 143-98-6

Physical Description: Cryst. + 1H<sub>2</sub>O

Melting Point: Mp 183-185°

Optical Rotation: [α]<sub>D</sub><sup>20</sup> +34.6 (c, 3 in H<sub>2</sub>O)

>>Derivative: Me ether

Synonym(s): Dextromethorphan, BAN, INN, USAN. Many other names

CAS Registry Number: 125-71-3

Molecular Formula: C<sub>18</sub>H<sub>25</sub>NO

Molecular Weight: 271.402

Accurate Mass: 271.193614

Percentage Composition: C 79.66%; H 9.28%; N 5.16%; O 5.90%

Use/Importance: Antitussive. Anticonvulsant and neuroprotective props.

Calculated Log P Data: Log P 3.98 (uncertain value) (calc)

Hazard & Toxicity: LD<sub>50</sub> (mus, orl) 210 mg/kg

>>Derivative: Me ether; hydrobromide

Synonym(s): Dextromethorphan hydrobromide, USAN

CAS Registry Number: 125-69-9

Melting Point: Mp 122-124°

Optical Rotation: [α]<sub>D</sub><sup>20</sup> +27.6 (c, 1.5 in H<sub>2</sub>O)

Other Data: Component of Actifed, Benafed, Lotussin, Benylin, Sudafed and numerous other cough mixtures

Hazard & Toxicity: LD<sub>50</sub> (mus, orl) 165 mg/kg

>>Variant: (–)-form

Synonym(s): Levorphanol, BAN, INN. Levorphan. Aromarone. Dromoran. Lemoran. Levo-Dromoran. Ro 1-5431