

## Product Data Sheet

Product Name: N-Despropyl Ropinirole

Cat. No.: GC49173

### Chemical Properties

Cas. No. 106916-16-9

SMILES O=C1NC2=CC=CC(CCNCCC)=C2C1

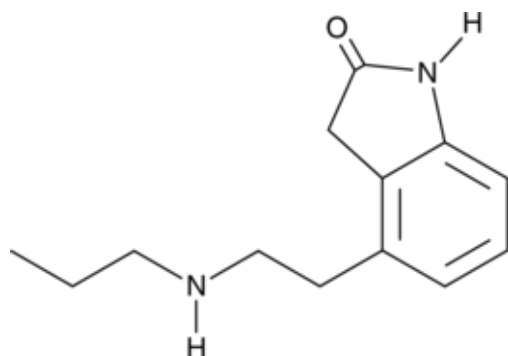
Formula C<sub>13</sub>H<sub>18</sub>N<sub>2</sub>O M.Wt 218.3

Solubility DMF: 25 mg/ml, DMSO: 30 mg/ml, DMSO:PBS (pH 7.2) (1:4): 0.2 mg/ml, Ethanol: 1 mg/ml  
Storage -20°C

General tips For obtaining a higher solubility, please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution: ship with blue ice. All other available sizes: ship with RT, or blue ice upon request.

Structure



### Background

N-Despropyl ropinirole is an active metabolite of the dopamine D<sub>2</sub> receptor agonist ropinirole.<sup>1</sup> It increases extracellular acidification rates in CHO cells expressing human dopamine D<sub>2</sub>, D<sub>3</sub>, and D<sub>4</sub> receptors (EC<sub>50</sub>s = 0.63, 0.063, and 1.23 μM, respectively). N-Despropyl ropinirole is also a potential impurity found in commercial preparations of ropinirole.<sup>2</sup>

1. Coldwell, M.C., Boyfield, I., Brown, T., et al. Comparison of the functional potencies of ropinirole and other dopamine receptor agonists at human D<sub>2</sub>(long), D<sub>3</sub> and D<sub>4</sub> receptors expressed in Chinese

**Caution: Product has not been fully validated for medical applications. For research use only.**

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hamster ovary cells Br. J. Pharmacol. 127(7) 1696-1702 (1999) 2. Coufal, P., Stulik, K., Claessens, H.A., et al. Separation and quantification of ropinirole and some impurities using capillary liquid chromatography J. Chromatogr. B Biomed. Sci. Appl. 732(2) 437-444 (1999)

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