

Product Name: Ropinirole - d₇

Catalog No.: 5543

Batch No.: 1

CAS Number: 1261396-31-9

IUPAC Name: 4-[2-(Propyl-d₇-propylamino)ethyl]-1,3-dihydro-2*H*-indol-2-one hydrochloride

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₁₆H₁₇D₇N₂O.HCl

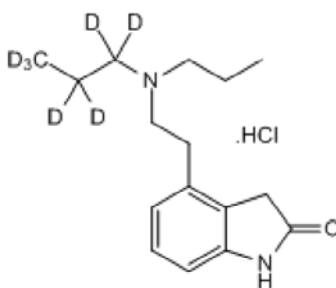
Batch Molecular Weight: 303.88

Physical Appearance: White solid

Solubility: DMSO to 50 mM
water to 100 mM

Storage: Desiccate at RT

Batch Molecular Structure:



2. ANALYTICAL DATA

Isotopic Purity: 98.6% D

HPLC: Shows 97.4% purity

¹H NMR: Consistent with structure

Mass Spectrum: Consistent with structure

Caution - Not Fully Tested • Research Use Only • Not For Human or Veterinary Use

bio-techne.com

info@bio-techne.com

techsupport@bio-techne.com

North America

Tel: (800) 343 7475

China

info.cn@bio-techne.com

Tel: +86 (21) 52380373

Europe Middle East Africa

Tel: +44 (0)1235 529449

Rest of World

www.tocris.com/distributors

Tel: +1 612 379 2956

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Description:

Deuterated ropinirole. Ropinirole also available.

Physical and Chemical Properties:

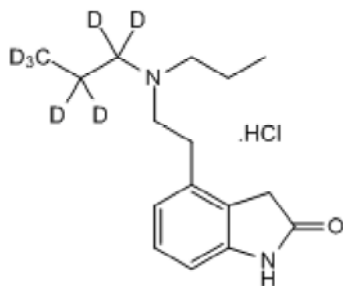
Batch Molecular Formula: C₁₆H₁₇D₇N₂O.HCl

Batch Molecular Weight: 303.88

Physical Appearance: White solid

Minimum Purity: >97%

Batch Molecular Structure:



Storage: Desiccate at RT

Solubility & Usage Info:

DMSO to 50 mM

water to 100 mM

Stability and Solubility Advice:

Some solutions can be difficult to obtain and can be encouraged by rapid stirring, sonication or gentle warming (in a 45-60°C water bath).

Information concerning product stability, particularly in solution, has rarely been reported and in most cases we can only offer a general guide. Our standard recommendations are:

SOLIDS: Provided storage is as stated on the product label and the vial is kept tightly sealed, the product can be stored for up to 6 months from date of receipt.

SOLUTIONS: We recommend that stock solutions, once prepared, are stored aliquoted in tightly sealed vials at -20°C or below and used within 1 month. Wherever possible solutions should be made up and used on the same day.

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