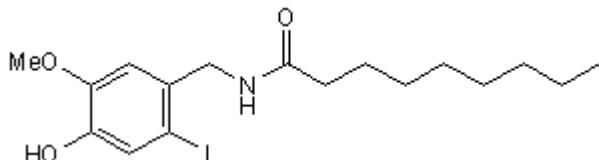


Certificate of Analysiswww.tocris.com**Product Name:** 6-Iodo nordihydrocapsaicin**Catalog No.:** 1975**Batch No.:** 2

CAS Number: 859171-97-4

1. PHYSICAL AND CHEMICAL PROPERTIES**Batch Molecular Formula:** C₁₇H₂₆INO₃**Batch Molecular Weight:** 419.3**Physical Appearance:** White solid**Solubility:** ethanol to 50 mM
DMSO to 100 mM**Storage:** Store at RT**Batch Molecular Structure:****2. ANALYTICAL DATA****TLC:** R_f = 0.36 (Ethyl acetate:Petroleum ether [4:6])**Melting Point:** Between 122 - 123°C**HPLC:** Shows >99.6% purity**¹H NMR:** Consistent with structure**¹³C NMR:** Consistent with structure**Microanalysis:** Carbon Hydrogen Nitrogen

Theoretical 48.7 6.25 3.34

Found 48.61 6.36 3.26

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

bio-techne.cominfo@bio-techne.com
techsupport@bio-techne.com**North America**

Tel: (800) 343 7475

Chinainfo.cn@bio-techne.com
Tel: +86 (21) 52380373**Europe Middle East Africa**

Tel: +44 (0)1235 529449

Rest of Worldwww.tocris.com/distributors
Tel: +1 612 379 2956

Product Name: 6-Iodo nordihydrocapsaicin**Catalog No.:** 1975**Batch No.:** 2

CAS Number: 859171-97-4

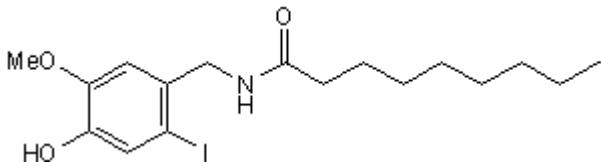
Description:

Potent competitive vanilloid TRPV1 (VR1) receptor antagonist ($IC_{50} = 10$ nM). Inhibits capsaicin-induced $[Ca^{2+}]$ increase in rat DRG neurons, and guinea pig bladder and trachea contractions in vitro.

Physical and Chemical Properties:Batch Molecular Formula: $C_{17}H_{26}INO_3$

Batch Molecular Weight: 419.3

Physical Appearance: White solid

Minimum Purity: >99%**Batch Molecular Structure:****Storage:** Store at RT

CAUTION - This product is light sensitive and we recommend that the solid material and any solutions obtained are protected from exposure to light.

Solubility & Usage Info:

ethanol to 50 mM

DMSO 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.

References:

Appendino *et al* (2003) Halogenation of a capsaicin analogue leads to novel vanilloid TRPV1 receptor antagonists. *Br.J.Pharmacol.* **139** 1417. PMID: 12922928.

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

bio-techne.cominfo@bio-techne.com
techsupport@bio-techne.com**North America**

Tel: (800) 343 7475

Chinainfo.cn@bio-techne.com
Tel: +86 (21) 52380373**Europe Middle East Africa**

Tel: +44 (0)1235 529449

Rest of Worldwww.tocris.com/distributors
Tel: +1 612 379 2956