

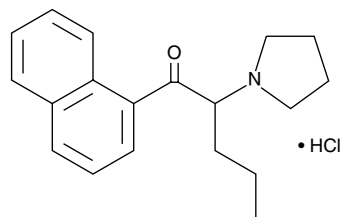
Product Information



Naphyrone 1-naphthyl isomer (hydrochloride)

Item No. 11240

CAS Registry No.: 1349245-31-3
Formal Name: 1-(naphthalen-1-yl)-2-(pyrrolidin-1-yl)pentan-1-one, monohydrochloride
Synonym: α -Naphyrone
MF: C₁₉H₂₃NO • HCl
FW: 317.9
Purity: ≥95%
Stability: ≥2 years at -20°C
Supplied as: A crystalline solid
UV/Vis.: λ_{max} : 212, 242, 323 nm



Laboratory Procedures

For long term storage, we suggest that naphyrone 1-naphthyl isomer (hydrochloride) be stored as supplied at -20°C. It should be stable for at least two years.

Naphyrone 1-naphthyl isomer (hydrochloride) is supplied as a crystalline solid. A stock solution may be made by dissolving the naphyrone 1-naphthyl isomer (hydrochloride) in the solvent of choice. Naphyrone 1-naphthyl isomer (hydrochloride) is soluble in organic solvents such as ethanol, DMSO, and dimethyl formamide (DMF), which should be purged with an inert gas. The solubility of naphyrone 1-naphthyl isomer (hydrochloride) in ethanol, DMSO, and DMF is approximately 5, 10, and 3 mg/ml, respectively.

Further dilutions of the stock solution into aqueous buffers or isotonic saline should be made prior to performing biological experiments. Ensure that the residual amount of organic solvent is insignificant, since organic solvents may have physiological effects at low concentrations. Organic solvent-free aqueous solutions of naphyrone 1-naphthyl isomer (hydrochloride) can be prepared by directly dissolving the crystalline solid in aqueous buffers. The solubility of naphyrone 1-naphthyl isomer (hydrochloride) in PBS, pH 7.2, is approximately 0.25 mg/ml. We do not recommend storing the aqueous solution for more than one day.

Naphyrone (Item No. 10517) is an analog of the psychoactive compound pyrovalerone, characterized by the substitution of the methylphenyl group of pyrovalerone with 2-naphthyl. Like pyrovalerone, naphyrone has been detected in products marketed as party pills or bath salts.¹ Naphyrone 1-naphthyl isomer (hydrochloride) is a structural isomer of naphyrone, having the naphthyl group attached at the 1, rather than 2, position. The physiological and toxicological properties of this compound have not been reported. This product is intended for forensic and research applications.

Reference

1. Kikura-Hanajiri, R., Uchiyama, N., and Goda, Y. Survey of current trends in the abuse of psychotropic substances and plants in Japan. *Leg. Med. (Tokyo)* **13(3)**, 109-15 (2011).

Related Products

For a list of related products please visit: www.caymanchem.com/catalog/11240

WARNING: THIS PRODUCT IS FOR LABORATORY RESEARCH ONLY: NOT FOR ADMINISTRATION TO HUMANS. NOT FOR HUMAN OR VETERINARY DIAGNOSTIC OR THERAPEUTIC USE.

SAFETY DATA

This material should be considered hazardous until information to the contrary becomes available. Do not ingest, swallow, or inhale. Do not get in eyes, on skin, or on clothing. Wash thoroughly after handling. This information contains some, but not all, of the information required for the safe and proper use of this material. Before use, the user must review the complete Safety Data Sheet, which has been sent via email to your institution.

WARRANTY AND LIMITATION OF REMEDY

Cayman Chemical Company makes **no warranty or guarantee** of any kind, whether written or oral, expressed or implied, including without limitation, any warranty of fitness for a particular purpose, suitability and merchantability, which extends beyond the description of the chemicals hereof. Cayman **warrants only** to the original customer that the material will **meet our specifications at the time of delivery**.

Cayman will carry out its delivery obligations with due care and skill. Thus, in no event will Cayman have **any obligation or liability**, whether in tort (including negligence) or in contract, for any direct, indirect, incidental or consequential damages, even if Cayman is informed about their possible existence.

This limitation of liability does not apply in the case of intentional acts or negligence of Cayman, its directors or its employees.

Buyer's **exclusive remedy** and Cayman's sole liability hereunder shall be limited to a **refund** of the purchase price, or at Cayman's option, the **replacement**, at no cost to Buyer, of all material that does not meet our specifications.

Said refund or replacement is conditioned on Buyer giving written notice to Cayman within thirty (30) days after arrival of the material at its destination. Failure of Buyer to give said notice within thirty (30) days shall constitute a waiver by Buyer of all claims hereunder with respect to said material.

For further details, please refer to our **Warranty and Limitation of Remedy located on our website and in our catalog**.

Copyright Cayman Chemical Company, 09/27/2013

Cayman Chemical

Mailing address
1180 E. Ellsworth Road
Ann Arbor, MI
48108 USA

Phone
(800) 364-9897
(734) 971-3335

Fax
(734) 971-3640

E-Mail
custserv@caymanchem.com

Web
www.caymanchem.com