Product Information

4'-methyl-α-Pyrrolidinohexanophenone (hydrochloride)
Item No. 10448

CAS Registry No.: 1391052-36-0
Formal Name: 2-(pyrrolidin-1-yl)-1-(p-tolyl)hexan-1-one, monohydrochloride
Synonyms: 4'-methyl-α-PHP, 4'-methyl PHP; MPHP, PV4, PV-4
MF: C₁₇H₂₅NO • HCl
FW: 295.9
Purity: ≥98%
Stability: ≥2 years at -20°C
Supplied as: A crystalline solid
UV/Vis: λmax: 262 nm

Laboratory Procedures

For long term storage, we suggest that 4'-methyl-α-pyrrolidinohexanophenone (4'-methyl-α-PHP) (hydrochloride) be stored as supplied at -20°C. It should be stable for at least two years.

4'-methyl-α-PHP (hydrochloride) is supplied as a crystalline solid. A stock solution may be made by dissolving the 4'-methyl-α-PHP (hydrochloride) in the solvent of choice. 4'-methyl-α-PHP (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 4'-methyl-α-PHP (hydrochloride) in these solvents is approximately 20, 10, and 3 mg/ml, respectively.

Aqueous solutions of 4'-methyl-α-PHP (hydrochloride) can be prepared by directly dissolving the crystalline solid in aqueous buffers. The solubility of 4'-methyl-α-PHP (hydrochloride) in PBS, pH 7.2, is approximately 10 mg/ml. We do not recommend storing the aqueous solution for more than one day. 4'-methyl-α-PHP (hydrochloride) is an α-pyrrolidinopropiophenone (α-PPP) derivative, homologous to 4'-methyl-α-PPP (Item No. 10446). Assumed to be a psychostimulant due to its similarity to these and other compounds, 4'-methyl-α-PHP has appeared on the illicit drug markets. Its use can lead to toxic liver damage and rhabdomyolysis. This product is intended to be used for forensic purposes.

References

Related Products
For a list of related products please visit: www.caymanchem.com/catalog/10448

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 herein. 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.

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

Cayman Chemical Company, 09/23/2014