

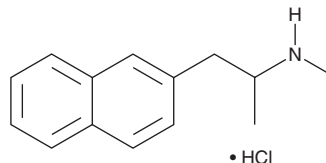
# PRODUCT INFORMATION



## Methamnetamine (hydrochloride)

Item No. 20008

**Formal Name:** N-methyl-1-(naphthalen-2-yl)propan-2-amine, monohydrochloride  
**Synonyms:** Methylnaphetamine, MNA, MNT, PAL-1046  
**MF:** C<sub>14</sub>H<sub>17</sub>N • HCl  
**FW:** 235.8  
**Purity:** ≥98%  
**UV/Vis.:** λ<sub>max</sub>: 225 nm  
**Supplied as:** A crystalline solid  
**Storage:** -20°C  
**Stability:** ≥2 years



Information represents the product specifications. Batch specific analytical results are provided on each certificate of analysis.

### Description

Methamnetamine (hydrochloride) (Item No. 20008) is an analytical reference standard that is structurally categorized as an amphetamine. It potently stimulates the release of monoamines from rat synaptosomes (EC<sub>50</sub>s = 10, 13, and 34 nM for dopamine, serotonin, and norepinephrine, respectively).<sup>1</sup> The physiological and toxicological properties of this compound are not known. This product is intended for research and forensic applications.

### Reference

1. Bago, R., Malik, N., Munson, M.J., *et al.* Characterization of VPS34-IN1, a selective inhibitor of Vps34, reveals that the phosphatidylinositol 3-phosphate-binding SGK3 protein kinase is a downstream target of class III phosphoinositide 3-kinase. *Biochem. J.* **463**(3), 413-427 (2014).

#### WARNING

THIS PRODUCT IS FOR RESEARCH ONLY - NOT FOR HUMAN OR VETERINARY DIAGNOSTIC OR THERAPEUTIC USE.

#### SAFETY DATA

This material should be considered hazardous until further information becomes available. Do not ingest, inhale, get in eyes, on skin, or on clothing. Wash thoroughly after handling. 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

Buyer agrees to purchase the material subject to Cayman's Terms and Conditions. Complete Terms and Conditions including Warranty and Limitation of Liability information can be found on our website.

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