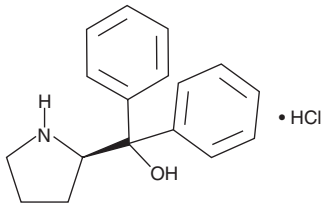
PRODUCT INFORMATION

D2PM (hydrochloride)

Item No. 11160

CAS Registry No.: 172152-19-1
Formal Name: α,α-diphenyl-2R-pyrrolidinemethanol, monohydrochloride
Synonyms: Diphenylprolinol, Diphenyl-2-pyrrolidinemethanol
MF: $C_{17}H_{19}NO \bullet HCl$
FW: 289.8
Purity: ≥98%
Supplied as: A crystalline solid
Storage: -20°C
Stability: ≥5 years



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

Description

D2PM (hydrochloride) is a psychoactive designer drug that has recently been demonstrated to have toxic effects in humans.[1,2] D2PM is also used in organic synthesis to prepare the Corey-Bakshi-Shibata catalyst.[3] This product is intended for forensic purposes.

References

1. Lidder, S., Dargan, P.I., Sexton, M., *et al*. Cardiovascular toxicity associated with recreational use of diphenylprolinol (diphenyl-2-pyrrolidinemethanol [D2PM]). *J. Med. Toxicol.* **4(3)**, 167-169 (2008).
2. Wood, D.M., Puchnarewicz, M., Johnston, A., *et al*. A case series of individuals with analytically confirmed acute diphenyl-2-pyrrolidinemethanol (D2PM) toxicity. *Eur. J. Clin. Pharmacol*. **[In press]** (2011).
3. Corey, E.J., Bakshi, R.K., and Shibata, S. Highly enantioselective borane reduction of ketones catalyzed by chiral oxazaborolidines. Mechanism and synthetic implications. *J. Am. Chem. Soc*. **109**, 5551-5553 (1987).

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