

Product Data Sheet

Product Name: Terbutaline (hemisulfate)

Cat. No.: GC45942

Chemical Properties

Cas. No. 23031-32-5

SMILES OC1=CC(O)=CC(C(O)CNC(C)(C)C)=C1.OS(=O)(O)=O.OC2=CC(O)=CC(C(O)CNC(C)(C)C)=C2

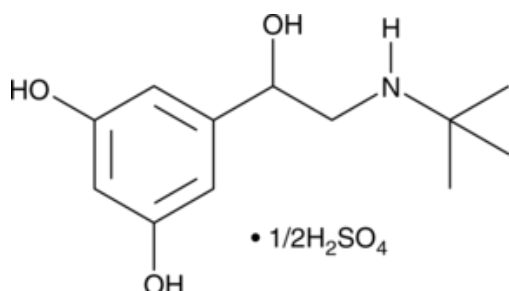
Formula $C_{12}H_{19}NO_3 \cdot 1/2H_2SO_4$ M.Wt 274.3

Solubility DMSO: 1 mg/ml, PBS (pH 7.2): 10 mg/ml Storage Store at -20°C

General tips For obtaining a higher solubility, please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution: ship with blue ice. All other available size: ship with RT, or blue ice upon request.

Structure



Background

Terbutaline (hemisulfate) is an analytical reference standard categorized as a β 2-adrenergic receptor agonist.¹ Terbutaline has been used to enhance physical performance in athletes.² This product is intended for use in analytical forensic applications. This product is also available as a general research tool.

[1. Hoffmann, C., Leitz, M.R., Oberdorf-Maass, S., et al. Comparative pharmacology of human β -adrenergic receptor subtypes - characterization of stably transfected receptors in CHO cells. Naunyn Schmiedeberg's Arch. Pharmacol. 369(2), 151-159 (2004).|2. Jacobson, G.A., and Hostrup, M.

Caution: Product has not been fully validated for medical applications. For research use only.

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Terbutaline: Level the playing field for inhaled β 2-agonists by introducing a dosing and urine threshold. Br. J. Sports Med. 51(18), 1323-1324 (2017).

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