

Product Information

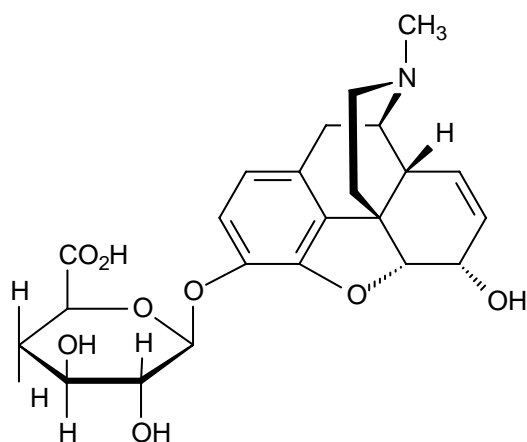
Morphine 3-β-D-Glucuronide

Product Number **M 6886**
 Store at Room Temperature

CAS# 20290-09-9

Synonyms: M3G; (5α,6α)-7,8-Didehydro-4,5-epoxy-
 6-hydroxy-17-methylmorphinan-3-yl-
 β-D-glucopyranosiduronic acid

Product Description



Molecular Formula: C₂₃H₂₇NO₉
 Molecular Weight: 461.5 (anhydrous)

Morphine 3-β-D-Glucuronide is a major metabolite of morphine, which has been shown to antagonize the analgesic and antinociceptive effects of morphine and morphine 6-β-D-glucuronide.

Precautions and Disclaimer

This product is for R&D use only, not for drug, household, or other uses. Please consult the Material Safety Data Sheet for information regarding hazards and safe handling practices.

Preparation Instructions

The product is soluble in dilute, aqueous acid (>20 mg/ml), methanol (>14 mg/ml), or water (4 mg/ml).

Storage/Stability

Store the product at room temperature protected from light.

References

1. Gong, Q.L. *et al.*, Antinociceptive and ventilatory effects of the morphine metabolites: Morphine-6-glucuronide and morphine 3-glucuronide. *Eur. J. Pharmacol.*, **193**, 47-56 (1991).
2. Smith, M.T. *et al.*, Morphine-3-glucuronide - a potent antagonist of morphine analgesia. *Life Sci.*, **47**, 579-585 (1990).
3. Gong, Q.L. *et al.*, Morphine-3-glucuronide may functionally antagonize morphine-6-glucuronide induced antinociception and ventilatory depression in the rat. *Pain*, **48**, 249-255 (1992).

VNC/MAM 08/04

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