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Product Information

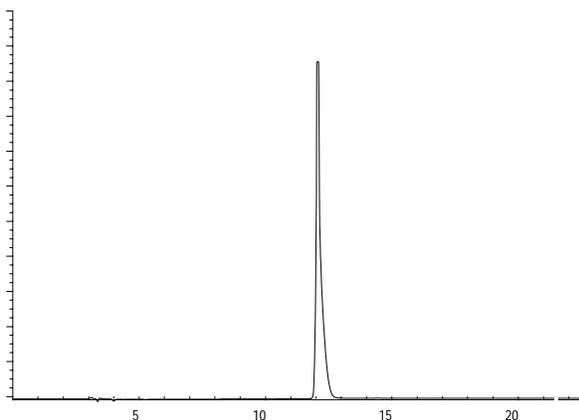
MORPHINE-3-β-D-GLUCURONIDE

Methanol Solution

Product Number M 4266
Lot Number 24K8802
CAS Number [20290-09-9]
Concentration 1.60 mg Morphine-3-β-D-Glucuronide (equivalent to 0.99 mg Morphine free base)/mL GC grade Methanol (NaOH added to enhance stability) conc. verified by UV
Molecular Formula C₂₃H₂₇NO₉
Molecular Weight 461.5
DEA Class Exempt preparation of a Class II

Synonyms 7,8-Didehydro-4,5-epoxy-17-methylmorphinan-6-ol-3-d-glucuronic acid
Stability If stored at 2-8 °C in an air tight container, protected from light, decomposition of the product is less than 1% in 36 months. After opening, concentration may change due to loss of solvent.
Expiration Date January 2007
Storage 2-8 °C

High Pressure Liquid Chromatography



Column Supelco LC-18 (Cat. No. 5-8298-C46) 5 μm, 4.6 x 250 mm

Mobile Phase

A: 0.075% TFA + 0.05% TEA + 0.25% ACN in Water

B: 0.075% TFA + 0.05% TEA in ACN/Water 1 : 9

Gradient 80% A/20% B to 50% A/50% B over 25 min. Linear

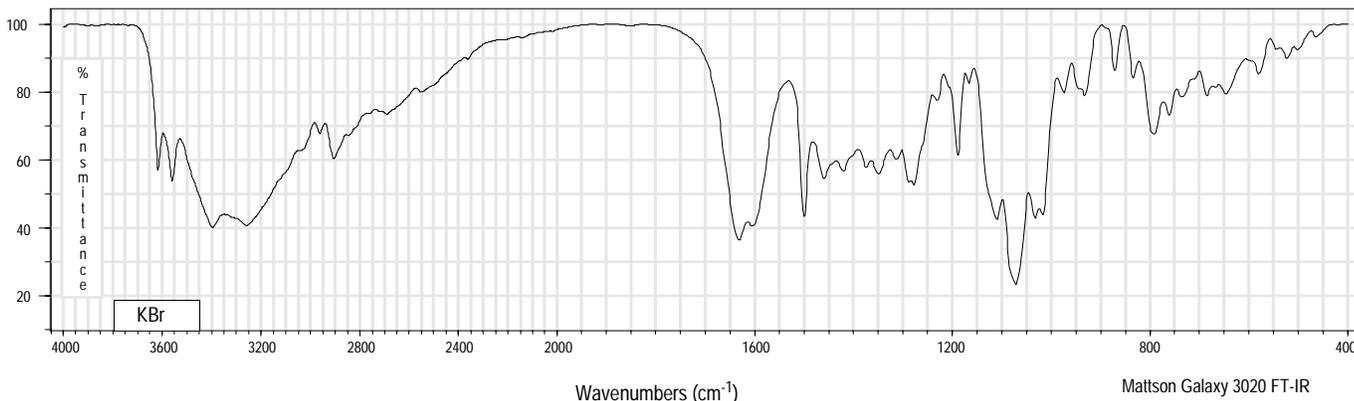
Flow Rate 1.0 mL/min.

Temp ambient

Detector UV @ 215 nm

Perkin-Elmer LC-4 with Hewlett-Packard 3365 Series II Chemstation

FT-IR



Wavenumbers (cm⁻¹)

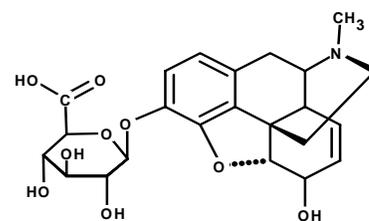
Mattson Galaxy 3020 FT-IR

MORPHINE-3- β -D-GLUCURONIDE

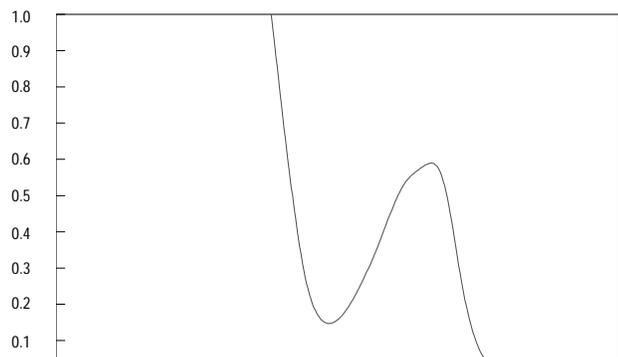
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Ultraviolet Spectrum



Peak	283.0
Absorbance	0.589
Solvent	0.2 N H ₂ SO ₄
Dilution	1:9

Bio-Tek Uvikon XL

M 4266/24K8802/03/09/04

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