



>>Derivative: 2-Bromo; methanesulfonate salt

Synonym(s): Bromocriptine mesilate, JAN, USAN

CAS Registry Number: 22260-51-1

Physical Description: Cryst. (2-butanone)

Melting Point: Mp 192-196 dec.°

Optical Rotation: $[\alpha]_D^{20} +95$ (c, 1 in MeOH/CH₂Cl₂)

Hazard & Toxicity: Adverse systemic effects reported when used therapeutically (gastrointestinal, psychiatric, and cardiovascular). Exp. reprod. and teratogenic effects.
LD₅₀ (rat, ivn) 10.5 mg/kg

Fluka: 16997

Sigma: B2134

>>Derivative: 8α-Hydroxy

Synonym(s): 8α-Hydroxy-α-ergocryptine

Molecular Formula: C₃₂H₄₁N₅O₆

Molecular Weight: 591.706

Accurate Mass: 591.305685

Percentage Composition: C 64.96%; H 6.98%; N 11.84%; O 16.22%

Biological Source: Alkaloid from sclerotia of *Claviceps purpurea*

Physical Description: Amorph.

References:

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Voigt, D. *et al.*, *Pharmazie*, 1974, **29**, 697, (ms)
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Mehta, A.E. *et al.*, *Drugs*, 1979, **17**, 313, (rev, Bromocriptine, pharmacol)
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Rucman, R. *et al.*, *Farmaco, Ed. Sci.*, 1983, **38**, 406, (synth, Bromocriptine)
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Crespi-Perellino, N. *et al.*, *J. Nat. Prod.*, 1987, **50**, 1065, (12'-O-Methyl-α-ergocryptine)
Yoshikawa, T. *et al.*, *J. Neurochem.*, 1994, **62**, 1034, (pharmacol)
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Cvak, L. *et al.*, *Phytochemistry*, 1997, **44**, 365, (8-Hydroxy-α-ergocryptine)
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