



>>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/CH<sub>2</sub>Cl<sub>2</sub>)

**Hazard & Toxicity:** Adverse systemic effects reported when used therapeutically (gastrointestinal, psychiatric, and cardiovascular). Exp. reprod. and teratogenic effects.  
LD<sub>50</sub> (rat, ivn) 10.5 mg/kg

Fluka: 16997

Sigma: B2134

>>Derivative: 8α-Hydroxy

Synonym(s): 8α-Hydroxy-α-ergocryptine

Molecular Formula: C<sub>32</sub>H<sub>41</sub>N<sub>5</sub>O<sub>6</sub>

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:

- Schlientz, W. *et al.*, *Pharm. Acta Helv.*, 1968, **43**, 497, (isol, ir, pmr)  
*Ger. Pat.*, 1969, 1 926 045; *CA*, **72**, 43969b, (deriv)  
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Giron-Forest, D.A. *et al.*, *Anal. Profiles Drug Subst.*, 1979, **8**, 47, (rev, Bromocriptine, anal, synth)  
Mehta, A.E. *et al.*, *Drugs*, 1979, **17**, 313, (rev, Bromocriptine, pharmacol)  
Wurst, M. *et al.*, *J. Chromatogr.*, 1979, **174**, 401, (hplc)  
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Barbien, R.L. *et al.*, *Fertil. Steril.*, 1983, **39**, 727, (rev, Bromocriptine)  
Kanto, J., *Int. J. Clin. Pharmacol., Ther. Toxicol.*, 1983, **21**, 135, (Bromocriptine)  
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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