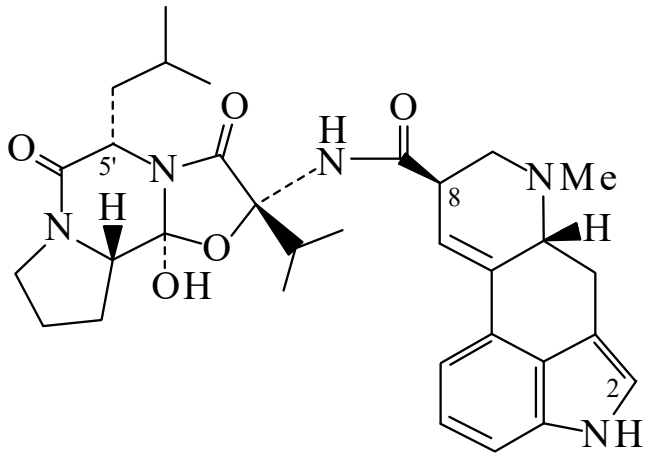
>>**Entry Name:** α**-Ergocryptine**
Synonym(s): 12'-Hydroxy-2'-(1-methylethyl)-5'-(2-methylpropyl)ergotaman-3',6',18-trione, 9Cl. Ergocryptine. Ergokryptine. Ergomolline



Absolute
conf guration

CAS Registry Number: 511-09-1

Molecular Formula: $C_{32}H_{41}N_5O_5$
Molecular Weight: 575.706
Accurate Mass: 575.31077
Percentage Composition: C 66.76%; H 7.18%; N 12.16%; O 13.90%
Biological Source: Alkaloid from ergot (*Claviceps purpurea*)
Biological Use/Importance: Pharmacol. effects resemble those of Ergotamine BCL03-C but is more toxic and little used clinically
Melting Point: Mp 211-212 dec.° (MeOH)
Optical Rotation: $[\alpha]_D^{20}$–120 (c, 1 in Py). $[\alpha]_D^{20}$–198 (c, 1 in $CHCl_3$)
Hazard & Toxicity: LD_{50} (rbt, ivn) 0.95 mg/kg

Sigma: E5625

>>**Derivative:** Me ether
Synonym(s): 12'-*O*-Methyl-α-ergocryptine

Molecular Formula: $C_{33}H_{43}N_5O_5$
Molecular Weight: 589.733
Accurate Mass: 589.32642
Percentage Composition: C 67.21%; H 7.35%; N 11.88%; O 13.56%
Biological Source: Alkaloid from *Claviceps purpurea*

>>**Derivative:** 8-Epimer
Synonym(s): α-Ergocryptinine

CAS Registry Number: 511-10-4
Source/Synthesis: Formed when α-Ergocryptine is boiled with MeOH
Physical Description: Cryst. (EtOH)
Melting Point: Mp 238 dec.°
Optical Rotation: $[\alpha]_D^{20}$+405 (c, 0.5 in $CHCl_3$). $[\alpha]_D^{20}$+485 (c, 0.5 in Py)

>>**Derivative:** 2-Bromo
Synonym(s): Bromocriptine, BAN, INN, USAN**.** Bromocryptine. Axialit. Bagren. Bromergon. Parilac. Parlodel. Parodel. Pravidel. Umprel. CB 154. NSC 169774. Bromergocryptine. Many other names

CAS Registry Number: 25614-03-3

Molecular Formula: $C_{32}H_{40}BrN_5O_5$
Molecular Weight: 654.602
Accurate Mass: 653.241281
Percentage Composition: C 58.72%; H 6.16%; Br 12.21%; N 10.70%; O 12.22%
Biological Use/Importance: Dopamine D_2-receptor agonist used for treatment of prolactinomas. Antiparkinsonian agent. Free radical scavenger antioxidant, prolactin inhibitor
Physical Description: Cryst.
Development Status: Marketed drug. Launched 1982
Melting Point: Mp 215-218 dec.°