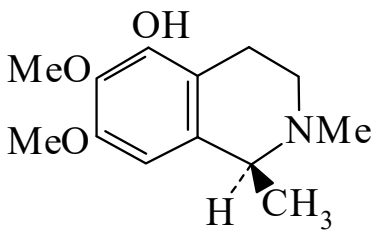
>>**Entry Name: 1,2,3,4-Tetrahydro-5-hydroxy-6,7-dimethoxy-1,2-dimethylisoquinoline**
Synonym(s): Gigantine. 1,2,3,4-Tetrahydro-6,7-dimethoxy-1,2-dimethyl-5-isoquinolinol, 9CI



(*S*)-*form*

Molecular Formula: $C_{13}H_{19}NO_3$
Molecular Weight: 237.298
Accurate Mass: 237.136494
Percentage Composition: C 65.80%; H 8.07%; N 5.90%; O 20.23%

>>**Variant:** (*S*)-form

CAS Registry Number: 32829-58-6

Molecular Formula: $C_{13}H_{19}NO_3$
Molecular Weight: 237.298
Accurate Mass: 237.136494
Percentage Composition: C 65.80%; H 8.07%; N 5.90%; O 20.23%
Biological Source: Alkaloid from *Carnegiea gigantea* (Cactaceae)
Use/Importance: Poss. hallucinogen
Physical Description: Cryst. (Et_2O)
Melting Point: Mp 151-152°
Optical Rotation: $[\alpha]_D^{25}$+27 (c, 1.99 in $CHCl_3$)

>>**Derivative:** Hydrochloride

Physical Description: Cryst. (EtOH)
Melting Point: Mp 221.5-222.5°

>>**Variant:** (±)-form

Molecular Formula: $C_{13}H_{19}NO_3$
Molecular Weight: 237.298
Accurate Mass: 237.136494
Percentage Composition: C 65.80%; H 8.07%; N 5.90%; O 20.23%
Source/Synthesis: Synthetic
Physical Description: Cryst. (Et_2O)
Melting Point: Mp 121-123°

>>**Derivative:** Me ether, picrate

Melting Point: Mp 153-154°

References:

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Brown, S.D. *et al.*, *J.O.C.*, 1972, **37**, 1825, *(isol, ir, pmr, ms, struct, abs config, synth)*
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