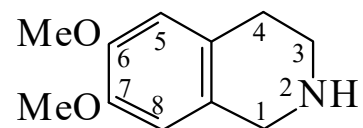




>>Entry Name: 1,2,3,4-Tetrahydro-6,7-dimethoxyisoquinoline, 9Cl

Synonym(s): Heliamine



CAS Registry Number: 1745-07-9

Molecular Formula: C₁₁H₁₅NO₂

Molecular Weight: 193.245

Accurate Mass: 193.110279

Percentage Composition: C 68.37%; H 7.82%; N 7.25%; O 16.56%

Biological Source: Alkaloid from *Pachycereus weberi*, *Pachycereus pringlei*, *Pachycereus pecten-aboriginum*, *Backebergia militaris* and *Carnegiea gigantea* (Cactaceae)

Biological Use/Importance: Antineoplastic agent. Inhibitor of rat sarcoma 45

Melting Point: Mp 84-85°

Calculated Log P Data: Log P 0.98 (calc)

Other Data: Readily forms carbonate on exp. to air

>>Derivative: Hydrochloride

CAS Registry Number: 2328-12-3

Physical Description: Cryst. (EtOH/Et₂O)

Melting Point: Mp 255° (248°, 252°)

Aldrich: 29191-9

>>Derivative: Oxalate

Melting Point: Mp 214-215°

>>Derivative: Picrate

Physical Description: Cryst. (EtOH)

Melting Point: Mp 223-225°

>>Derivative: N-Me

References:

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Mata, R. *et al.*, *Phytochemistry*, 1980, **19**, 673-678; 1983, **22**, 1263-1270, (*isol*, *ir*, *uv*, *pmr*, *cmr*, *ms*, *di-Me ether*)

Pummangura, S. *et al.*, *J. Nat. Prod.*, 1982, **45**, 277-282, (*isol*)

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