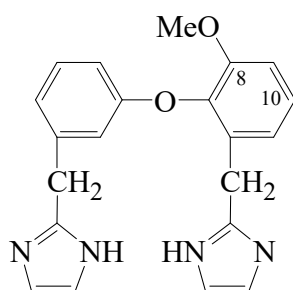




>>Entry Name: Lepidine



CAS Registry Number: 100108-65-4

Molecular Formula: $C_{21}H_{20}N_4O_2$

Molecular Weight: 360.415

Accurate Mass: 360.158626

Percentage Composition: C 69.98%; H 5.59%; N 15.55%; O 8.88%

Physical Description: Cryst. (CH_2Cl_2 /MeOH)

>>Derivative: O-De-Me

Synonym(s): Lepidine B

Molecular Formula: $C_{20}H_{18}N_4O_2$

Molecular Weight: 346.388

Accurate Mass: 346.142976

Percentage Composition: C 69.35%; H 5.24%; N 16.17%; O 9.24%

Biological Source: Alkaloid from *Lepidium sativum*

Physical Description: Yellow cryst. (CH_2Cl_2 /MeOH)

Melting Point: Mp 212-214°

>>Derivative: 8-Demethoxy, 10-hydroxy

Synonym(s): Lepidine D

Molecular Formula: $C_{20}H_{18}N_4O_2$

Molecular Weight: 346.388

Accurate Mass: 346.142976

Percentage Composition: C 69.35%; H 5.24%; N 16.17%; O 9.24%

Biological Source: Alkaloid from *Lepidium sativum*

Physical Description: Yellow cryst. (CH_2Cl_2 /MeOH)

Melting Point: Mp 202-204°

>>Derivative: 8-Demethoxy, 10-methoxy

Synonym(s): Lepidine C

Molecular Formula: $C_{21}H_{20}N_4O_2$

Molecular Weight: 360.415

Accurate Mass: 360.158626

Percentage Composition: C 69.98%; H 5.59%; N 15.55%; O 8.88%

Biological Source: Alkaloid from *Lepidium sativum*

Physical Description: Yellow cryst. (CH_2Cl_2 /MeOH)

Melting Point: Mp 194-195°

References:

Bahrour, A. *et al.*, *J. Soc. Chim. Tunis.*, 1985, **2**, 15; *CA*, **104**, 65910g

Maier, U.H. *et al.*, *Phytochemistry*, 1998, **49**, 1791-1795, (*isol*, *pmr*, *cmr*, *ms*)