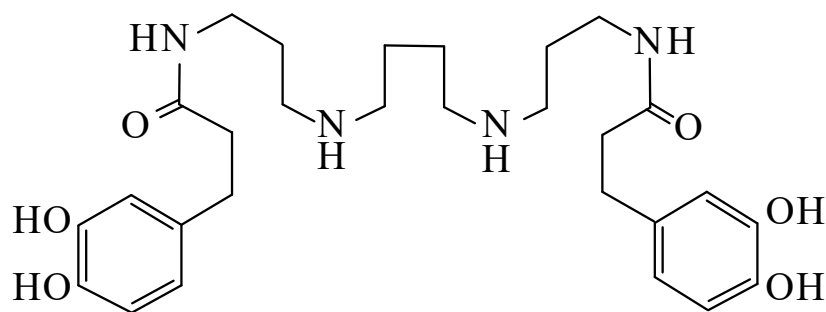




>>Entry Name: Kukoamine A

Synonym(s): 1,14-Bis(dihydrocaffeoyl)spermine



CAS Registry Number: 75288-96-9

Molecular Formula: $C_{28}H_{42}N_4O_6$

Molecular Weight: 530.663

Accurate Mass: 530.310436

Percentage Composition: C 63.38%; H 7.98%; N 10.56%; O 18.09%

Biological Source: Alkaloid from the root bark of *Lycium chinense* (Solanaceae)

Use/Importance: Shows hypotensive activity

Physical Description: Noncryst.

UV: [base] $\lambda_{\max}$ (solvent not reported) (Derep) [neutral] $\lambda_{\max}$ 284 (ϵ) (possibly MeOH, not reported) (Derep)

>>Derivative: N^1 -De(dihydrocaffeoyl), N^5 -dihydrocaffeoyl

Synonym(s): Kukoamine B

CAS Registry Number: 164991-67-7

Molecular Formula: $C_{28}H_{42}N_4O_6$

Molecular Weight: 530.663

Accurate Mass: 530.310436

Percentage Composition: C 63.38%; H 7.98%; N 10.56%; O 18.09%

Biological Source: Alkaloid from root bark of *Lycium chinense* (Solanaceae)

Physical Description: Pale yellow powder

References:

Funayama, S. *et al.*, *Tet. Lett.*, 1980, **21**, 1355, (*isol, uv, pmr, cmr, struct*)

Chantrapromma, K. *et al.*, *Tet. Lett.*, 1981, **22**, 23, (*synth*)

Funayama, S. *et al.*, *Phytochemistry*, 1995, **38**, 1529, (*Kukoamine B*)

Karigiannis, G. *et al.*, *Tet. Lett.*, 1998, **39**, 5117-5120, (*synth*)