



CAS Registry Number: 63631-41-4

Molecular Formula: C₁₇H₁₈O₄

Molecular Weight: 286.327

Accurate Mass: 286.12051

Percentage Composition: C 71.31%; H 6.34%; O 22.35%

Biological Source: Stress metab. from *Trifolium arvense* and *Trifolium stellatum*

Melting Point: Mp 111-115°

UV: [neutral] λ_{max} 217 (); 285 (); 290 () (MeOH) (Berdy) [neutral] λ_{max} 205 (ε 50000); 225 (ε 14800); 281 (ε 5900) (EtOH) (Berdy)

>>**Derivative:** 4',7-Di-Me ether

Synonym(s): 2'-Hydroxy-4',7-dimethoxyisoflavan. **Isosativan**

CAS Registry Number: 60102-29-6

Molecular Formula: C₁₇H₁₈O₄

Molecular Weight: 286.327

Accurate Mass: 286.12051

Percentage Composition: C 71.31%; H 6.34%; O 22.35%

Biological Source: Isol. from *Dalbergia ecastophyllum*, and phytoalexin of *Medicago scutellata*, *Medicago rugosa* and *Trifolium* spp.

UV: [neutral] λ_{max} 214 (); 281 (); 284 () (EtOH) (Berdy) [base] λ_{max} 219 (); 291 () (EtOH-NaOH) (Berdy)

References:

- Ingham, J.L. *et al.*, *Nature (London)*, 1973, **242**, 125, (*Sativan*)
Braz Filho, R. *et al.*, *Phytochemistry*, 1975, **14**, 1454, (*isol*)
Ingham, J.L., *Z. Naturforsch., C*, 1976, **31**, 331; 1977, **32**, 446,1018; 1979, **34**, 630; 1980, **35**, 384
Ingham, J.L. *et al.*, *Phytochemistry*, 1977, **16**, 1279; 1979, **18**, 1711, (*isol, struct*)
Alves, H.M. *et al.*, *Phytochemistry*, 1978, **17**, 1423, (*synth*)
Ingham, J.L. *et al.*, *Prog. Chem. Org. Nat. Prod.*, 1983, **43**, 1, (*rev, occur*)
Herath, H.M.T.B. *et al.*, *Phytochemistry*, 1998, **47**, 117-119, (*isol, pmr, cmr*)