

Product Information

Demethoxycurcumin

Cat. No.: X23-04-XQ330

Size: 20 mg; 50 mg; 100 mg; 200 mg; 500 mg; 1 g

MDL: MFCD03427310

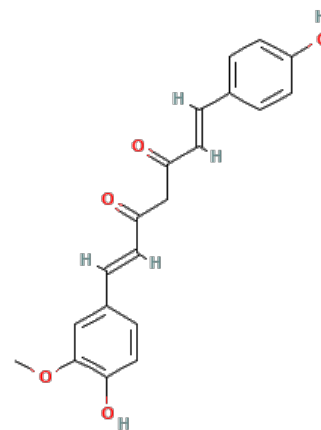
CAS Number: 22608-11-3

Compound CID: 5469424

Synonym: 22608-11-3; 24939-17-1; Demethoxycurcumin; Curcumin II;

Monodemethoxycurcumin; Desmethoxycurcumin;

4-Hydroxycinnamoyl(feroyl)methane; Demethoxy-curcumin



This product is for research use only and is not intended for diagnostic use.

Product Information

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| Description | Demethoxycurcumin is a beta-diketone that is the curcumin in which one of the methoxy groups is replaced by hydrogen. |
| Molecular Weight | 338.35 |
| Molecular Formula | C ₂₀ H ₁₈ O ₅ |
| IUPAC Name | (1E,6E)-1-(4-Hydroxy-3-methoxyphenyl)-7-(4-hydroxyphenyl)hepta-1,6-diene-3,5-dione |
| InChI | InChI=1S/C20H18O5/c1-25-20-12-15(6-11-19(20)24)5-10-18(23)13-17(22)9-4-14-2-7-16(21)8-3-14/h2-12,21,24H,13H2,1H3/b9-4+,10-5+ |
| InChI Key | HJTVQHVGGMKONQ-LUZURFALSA-N |
| Canonical SMILES | COC1=C(C=CC(=C1)C=CC(=O)CC(=O)C=CC2=CC=C(C=C2)O)O |
| Isomeric SMILES | COC1=C(C=CC(=C1)/C=C/C(=O)CC(=O)/C=C/C2=CC=C(C=C2)O)O |
| Source | The rhizomes of <i>C. longa</i> L. |
| Form | Yellow powder |
| Purity | >98%, determined by HPLC. |
| Identity | Confirmed by NMR and MS. |
| Stability | The product is stable for two years when stored at the recommended temperature. |
| Applications | Demethoxycurcumin can be used for content determination, identification, and pharmacological experiments, etc. |
| Storage | Store at 4°C. Protect from light. |



Safety Information

Personal Protective Equipment Gloves, eyeshields, N95 mask
