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| Product Name | : Curculigoside |
| Synonyms | : Curculigoside A; Curculigoside-A |
| Cat No. | : M19183 |
| CAS Number | : 85643-19-2 |
| Molecular Formula | : C ₂₂ H ₂₆ O ₁₁ |
| Formula Weight | : 466.43 |
| Chemical Name | : [5-Hydroxy-2-[(2S,3R,4S,5S,6R)-3,4,5-trihydroxy-6-(hydroxymethyl)oxan-2-yl]oxyphenyl]methyl 2,6-dimethoxybenzoate |
| Description | <p>Curculigoside can prevent bone loss , improve osteogenesis and inhibit osteoclastogenesis of hAFSCs, suggesting its potential use to regulate hAFSC osteogenic differentiation for treating bone disorders. Curculigoside can promote calcium deposition and increase the levels of ALP and Runx2 in osteoblasts under oxidative stress via anti-oxidative character.</p> <p>Curculigoside possesses potent antioxidant properties against oxidative stress insults. can protect endothelial cells against oxidative injury induced by H₂O₂, suggesting that this compound may constitute a promising intervention against cardiovascular disorders.</p> |
| Pathway | : Others |
| Target | : Other Targets |
| Receptor | : Antioxidant |
| Solubility | : — |
| SMILES | : <chem>COC1=C(C(=CC=C1)OC)C(=O)OCC2=C(C=CC(=C2)O)OC3C(C(C(C(O3)CO)O)O)O</chem> |
| Storage | : (-20°C) |
| Stability | : ≥ 2 years |
| Reference | : |

