PRODUCT DATA SHEET

Embelin

Synonyms : Embelic acid, Emberine, NSC 91874

Specifications

CAS # : 550-24-3
Molecular Formula : C_{17}H_{26}O_{4}
Molecular Weight : 294.39
Source : Embe lia ribes
Appearance : Orange solid
Purity : >95% by HPLC
Long Term Storage : -20°C
Solubility : Soluble in methanol or DMSO

Application Notes
Embelin is benzoquinone metabolite isolated from Embelia ribes first reported in 1931. Embelin has a broad bioprofile, including antioxidant, anti-inflammatory, antitumor, antibacterial, antiviral, antidiabetic and anti-estrogenic activities. Embelin inhibits cell proliferation, induces G1 arrest and triggers apoptosis in CRPC cells, possibly via the Akt/NF-κB/survivin signaling pathway. Embelin is a privileged structure for the synthesis of antibacterial compounds.

References