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## Desmethyleglycitein

产品编号: D51393

CAS: 17817-31-1

分子式: C<sub>15</sub>H<sub>10</sub>O<sub>5</sub>

纯度: ≥98%

InChi: InChi=1S/C<sub>15</sub>H<sub>10</sub>O<sub>5</sub>/c16-9-3-1-8(2-4-9)11-7-20-14-6-13(18)12(17)5-10(14)15(11)19/h1-7,16-18H

InChi Key: GYLUFQJZYAJQDI-UHFFFAOYSA-N

Smiles: OC1C=CC(=CC=1)C1=COC2=CC(O)=C(O)C=C2C1=O

外观: 固体粉末

作用通路: CDK

溶解性: Soluble in DMSO

保存条件: Store in dry, dark place for one year.

产品介绍: Desmethyleglycitein (4',6,7-Trihydroxyisoflavone), a metabolite of daidzein, sourced from Glycine max with antioxidant, and anti-cancer activities. Desmethyleglycitein binds directly to CDK1 and CDK2 in vivo, resulting in the suppresses CDK1 and CDK2 activity. Desmethyleglycitein is a direct inhibitor of protein kinase C (PKC) $\alpha$ , against solar UV (sUV)-induced matrix metalloproteinase 1 (MMP1). Desmethyleglycitein binds to PI3K in an ATP competitive manner in the cytosol, where it inhibits the activity of PI3K and downstream signaling cascades, leading to the suppression of adipogenesis in 3T3-L1 preadipocytes.