

Product Data Sheet

Product Name: Violanthin

Cat. No.: GC38026

Chemical Properties

Cas. No. 40581-17-7

SMILES OC1=C([C@@H]2O[C@@H]([C@@H](O)[C@H](O)[C@H]2O)CO)C(O)=C(C(C=C(C3=CC=C(O)C=C3)O4)=O)C4=C1[C@H]5[C@@H]([C@@H]([C@@H](O)[C@H](C)O5)O)O

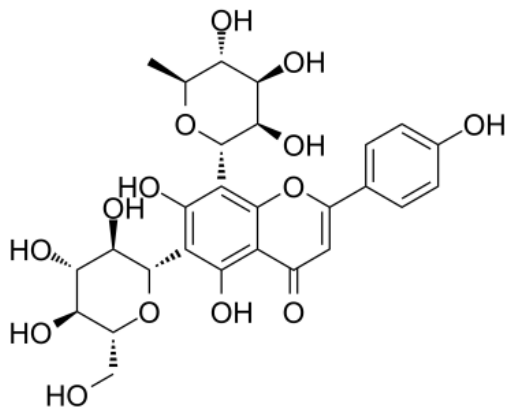
Formula C₂₇H₃₀O₁₄ M.Wt 578.52

Solubility Soluble in DMSO Storage 4°C, protect from light

General tips For obtaining a higher solubility, please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT, or blue ice upon request.

Structure



Background

Violanthin is isolated from the aerial parts of *Piper bavinum*, has potent antioxidant and antibacterial activities. Violanthin inhibits acetylcholinesterase (AChE) with an IC₅₀ value of 79.80 μM[1].

[1]. Dung HV, et al. Compounds from the aerial parts of *Piper bavinum* and their anti-cholinesterase activity. Arch Pharm Res. 2015;38(5):677-82.

Caution: Product has not been fully validated for medical applications. For research use only.

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