
Product Data Sheet

Product Name: 7-O-Methylaloeresin A

Cat. No.: GC35194

Chemical Properties

Cas. No. 329361-25-3

SMILES COC1=CC(C)=C2C(OC(CC(C)=O)=CC2=O)=C1[C@H](O[C@H](CO)[C@@H](O)[C@@H]3O)[C@@H]3OC(/C=C/C4=CC=C(O)C=C4)=O

Formula	C ₂₉ H ₃₀ O ₁₁	M.Wt	554.54
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Solubility	Soluble in DMSO	Storage	Store at -20°C
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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**

7-O-Methylaloeresin A is 5-methylchromone glycoside isolated from *Commiphora socotrana* (Burseraceae)[1]. 7-O-Methylaloeresin A exhibits good activity against multiple drug resistant *Staphylococcus aureus* (NCTC 11994) and *Salmonella typhimurium* (ATCC 1255) with MIC values of 0.72 and 0.18 mM, respectively[2]. 7-O-Methylaloeresin A has antioxidant activities, gives IC₅₀ values of 0.026 mM and 0.021 mM for DPPH and 2-deoxyribose degradation assay, respectively[2].

[1]. Blitzke T, et al. 7-O-methylaloeresin A--a new chromone glycoside from *Commiphora socotrana*. *Nat Prod Lett.* 2001;15(1):27-33. [2]. Asamenew G, et al. In vitro antimicrobial and antioxidant activities of anthrone and chromone from the latex of *Aloe harlana* Reynolds. *Phyther Res.* 2011 Dec;25(12):1756-60.

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

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