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## Product Data Sheet

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Product Name: Physalin F

Cat. No.: GC61184

**Chemical Properties**

Cas. No. 57423-71-9

SMILES C[C@@]([C@@](OC1=O)([H])C2)(OC3=O)[C@@]([C@@]3CC[C@@]4([H])[C@@]5([H])C[C@@H](O6)[C@]6(CC=C7)[C@@]4(C7=O)C)O)(O[C@@]58C9=O)[C@]9([H])[C@]2([C@@]1([H])CO8)C

Formula C<sub>28</sub>H<sub>30</sub>O<sub>10</sub>

M.Wt

526.53

Solubility

Storage

Store at -20°C

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**

Physalin F is a secosteroid with potent anti-inflammatory and immunomodulatory activities. Physalin F induces apoptosis of PBMC, decreasing the spontaneous proliferation and cytokine production caused by Human T-lymphotropic virus type 1 (HTLV-1) infection[1].

Physalin F is a seco-steroid from *Physalis angulate* L.[1].

[1]. Pinto LA, et al. Physalin F, a seco-steroid from *Physalis angulata* L., has immunosuppressive activity in peripheral blood mononuclear cells from patients with HTLV1-associated myelopathy. *Biomed Pharmacother.* 2016;79:129-134.

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

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