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**Product Data Sheet**


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Product Name: Isodeoxyelephantopin

Cat. No.: GC39109

**Chemical Properties**

Cas. No. 38927-54-7

SMILES C=C(C)C(O[C@@H](CC1=C2)[C@]3([H])[C@@](OC(C3=C)=O)([H])/C=C(C)/C[C@]2([H])OC1=O)=O

Formula	C <sub>19</sub> H <sub>20</sub> O <sub>6</sub>	M.Wt	344.36
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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**

Isodeoxyelephantopin is a sesquiterpene lactone isolated from *Elephantopus scaber*. Isodeoxyelephantopin induces ROS generation, suppresses NF-κB activation. Isodeoxyelephantopin also modulates lncRNA expression and exhibit activities against breast cancer[1][2].

[1]. Verma SS, et al. Isodeoxyelephantopin, a Sesquiterpene Lactone Induces ROS Generation, Suppresses NF-κB Activation, Modulates lncRNA Expression and Exhibit Activities Against Breast Cancer. *Sci Rep.* 2019 Nov 29;9(1):17980. [2]. Yunna Kim, et al. Treatment of Hominis placenta pharmacopuncture for a patient with mild neurocognitive disorder: Case report. *J Pharmacopuncture.* 2019 Dec; 22(4): 279-283.

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

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