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**Product Data Sheet**

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Product Name: Cinobufaginol

Cat. No.: GC35697

**Chemical Properties**

Cas. No. 6691-83-4

SMILES O=C(C=C1)OC=C1[C@H]2[C@@H](OC(C)=O)[C@@]3([H])[C@]4(O3)[C@]5([H])CC[C@]6([H])C[C@@H](O)CC[C@]6(CO)[C@@]5([H])CC[C@]24CFormula C<sub>26</sub>H<sub>34</sub>O<sub>7</sub> M.Wt 458.54

Solubility Soluble in DMSO 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**

Cinobufaginol is a natural bufadienolide isolated from toad venom which has been widely used for centuries in China to treat different diseases, especially for cancer. Cinobufaginol potently inhibits the activity against human nasopharyngeal carcinoma cell lines with IC<sub>50</sub>s of 803 μM and 1.270 μM for CNE-1 and CNE-2Z, respectively[1].

[1]. Liu JS, et al. Anti-tumor effects and 3D-quantitative structure-activity relationship analysis of bufadienolides from toad venom. *Fitoterapia*. 2019 Apr;134:362-371.

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

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA