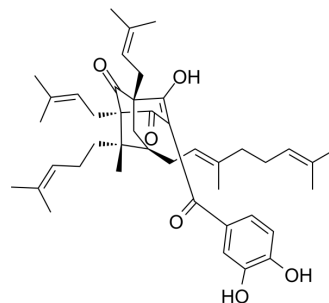


Guttiferone G

Cat. No.:	HY-N9892
CAS No.:	666174-75-0
Molecular Formula:	C ₄₃ H ₅₈ O ₆
Molecular Weight:	670.92
Target:	Sirtuin
Pathway:	Cell Cycle/DNA Damage; Epigenetics
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Guttiferone G inhibits recombinant human SIRT1 and SIRT2 (IC ₅₀ : 9 and 22 μM, respectively). Guttiferone G is weakly cytotoxic in A2780 human ovarian cell line (IC ₅₀ : 8.0 μg/mL). Guttiferone G can be isolated from <i>Garcinia macrophylla</i> ^{[1][2]} .
IC ₅₀ & Target	IC ₅₀ : 9 and 22 μM (SIRT1/2) ^[1]

REFERENCES

- [1]. Williams RB, et al. A novel cytotoxic guttiferone analogue from *Garcinia macrophylla* from the Suriname rainforest. *Planta Med.* 2003 Sep;69(9):864-6.
- [2]. Gey C, et al. Phloroglucinol derivatives guttiferone G, aristoforin, and hyperforin: inhibitors of human sirtuins SIRT1 and SIRT2. *Angew Chem Int Ed Engl.* 2007;46(27):5219-22.

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

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