

Product Data Sheet

Product Name: Demethylcantharidate disodium

Cat. No.: GC62537

Chemical Properties

Cas. No. 129-67-9

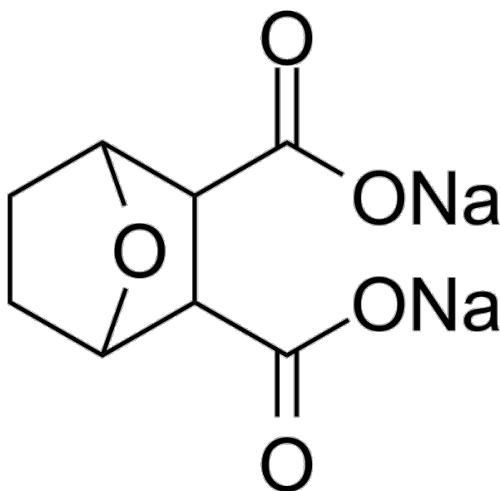
Formula $C_8H_8Na_2O_5$ M.Wt 230.13

Solubility H_2O : 33.33 mg/mL (144.83 mM; ultrasonic and warming and heat to 60°C); DMSO : < 1 mg/mL (insoluble or slightly soluble) 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

Demethylcantharidate disodium, an endogenous metabolite, induces apoptosis in hepatocellular carcinoma cells via ER stress. Demethylcantharidate disodium shows excellent anticancer activity against multiple types of cancer[1].

Demethylcantharidate (0-100 μM ; 0, 12, 24, 48 or 72 hours) disodium inhibits HCC cell

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

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proliferation[1]. Demethylcantharidate (0, 9, 18 or 36 μ M; 24 hours) disodium dose dependently increases the levels of cleaved caspase-3, cleaved caspase-9, and Bax/Bcl-2[1].

Demethylcantharidate disodium significantly decreases hepatocellular carcinoma tumorigenesis of SMMC-7721 cells in vivo[1].

[1]. Ye M, et al. Sodium demethylcantharidate induces apoptosis in hepatocellular carcinoma cells via ER stress. Am J Transl Res. 2019;11(5):3150-3158. Published 2019 May 15.

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