

Product Data Sheet

Product Name: Carboxyatractyloside tripotassium

Cat. No.: GC35607

Chemical Properties

Cas. No. 77228-71-8

SMILES CC12C3C4(C(O)C(C(CC3)C4)=C)CCC1C(C(O)=O)(C(O)=O)CC(OC5C(C(C(C(CO)O5)OS(=O)(O)=O)OS(=O)(O)=O)OC(CC(C)C)=O)C2

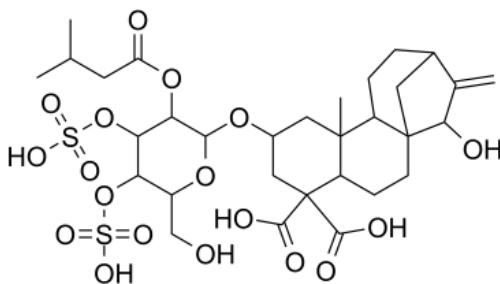
Formula $C_{31}H_{46}O_{18}S_2$ M.Wt 770.82

Solubility Soluble in DMSO Storage Store at -20°C

General For obtaining a higher solubility, please warm the tube at 37 °C and shake it in the tips ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Evaluation sample solution : ship with blue ice All other available size: ship with RT, or Condition blue ice upon request.

Structure



Background

Carboxyatractyloside is a toxic natural product, acts as an inhibitor of ADP/ATP carrier, inhibits mitochondrial ADP/ATP transport[1].

[1]. Pebay-Peyroula E, et al. Structure of mitochondrial ADP/ATP carrier in complex with carboxyatractyloside. Nature. 2003 Nov 6;426(6962):39-44.

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

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