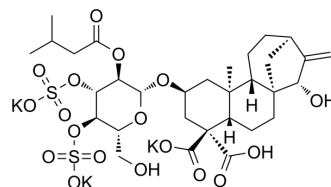


Carboxyatractyloside tripotassium

Cat. No.: HY-N1502
CAS No.: 77228-71-8
Molecular Formula: C₃₁H₄₃K₃O₁₈S₂
Molecular Weight: 885.09
Storage: -20°C, sealed storage, away from moisture and light
 * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture and light)



SOLVENT & SOLUBILITY

In Vitro

H₂O : ≥ 50 mg/mL (56.49 mM)
 * "≥" means soluble, but saturation unknown.

| | Solvent Concentration | Mass | 1 mg | 5 mg | 10 mg |
|---------------------------|--------------------------|------|-----------|-----------|------------|
| | | | | | |
| Preparing Stock Solutions | 1 mM | | 1.1298 mL | 5.6491 mL | 11.2983 mL |
| | 5 mM | | 0.2260 mL | 1.1298 mL | 2.2597 mL |
| | 10 mM | | 0.1130 mL | 0.5649 mL | 1.1298 mL |

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

Carboxyatractyloside (Gummiferin) tripotassium is a toxic natural product, acts as an inhibitor of ADP/ATP carrier, inhibits mitochondrial ADP/ATP transport from the inner mitochondria to the inner mitochondria. Carboxyatractyloside tripotassium can be used for the study of cellular energy metabolism and mitochondrial biology^[1].

CUSTOMER VALIDATION

- EMBO Mol Med. 2021 Dec 7;13(12):e14072.

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

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