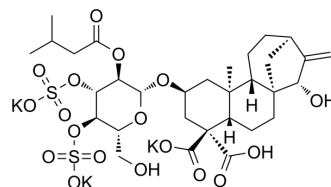


Carboxyatractyloside tripotassium

Cat. No.:	HY-N1502
CAS No.:	77228-71-8
Molecular Formula:	C ₃₁ H ₄₃ K ₃ O ₁₈ S ₂
Molecular Weight:	885.09
Target:	Others
Pathway:	Others
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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REFERENCES

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

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