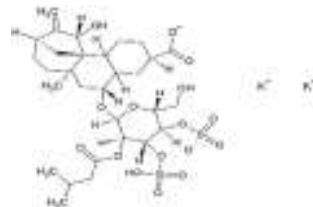


Atractyloside Potassium salt

ALTERNATE NAME: (2β)-15α-hydroxy-2-[[[2-O-(3-methyl-1-oxobutyl)-3,4-di-O-sulfo-β-D-glucopyranosyl]oxy]-19-norkaur-16-en-18-oic acid, dipotassium salt

CATALOG #: B2441-1000 1 mg
B2441-500 500 µg

STRUCTURE:



MOLECULAR FORMULA: C₃₀H₄₄K₂O₁₆S₂

MOLECULAR WEIGHT: 802.99

CAS NUMBER: 102130-43-8

APPEARANCE: Pale brown solid

PURITY: ≥95%

SOLUBILITY: ~10 mg/ml Water

DESCRIPTION: Atractyloside is an extremely toxic glycoside isolated from thistles. It blocks mitochondrial ATP synthesis by inhibiting ADP/ATP translocases, which are responsible for the exchange of adenine di- and triphosphates across the inner mitochondrial membrane.

REFERENCES: Klingenberg, M. Biochimica et Biophysica Acta (2008). 1778(10), 1978-2021.

HANDLING: Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.

RELATED PRODUCTS:

Bongkrekeic acid triammonium salt (1820)
Carboxyatractyloside Potassium salt (B2442)

DISCLAIMER: **FOR RESEARCH USE ONLY! Not to be used on humans.**