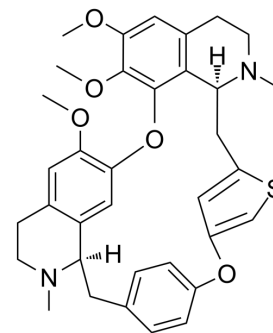


RMS5

Cat. No.:	HY-146097
CAS No.:	2497686-68-5
Molecular Formula:	C ₃₅ H ₃₈ N ₂ O ₅ S
Molecular Weight:	598.75
Target:	P-glycoprotein; Apoptosis
Pathway:	Membrane Transporter/Ion Channel; Apoptosis
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

RMS5, a tetrandrine analogue, is a potent P-glycoprotein (P-gp) inhibitor. RMS5 has markedly antiproliferative and cytotoxic effects on cancer cells. RMS5 slightly diminishes the expression of the anti-apoptotic Bcl-2 family proteins Bcl-XL and Mcl-1. RMS5 causes PARP cleavage, a marker for cells undergoing apoptosis. RMS5 has strong anticancer property^[1].

REFERENCES

[1]. RamonaSchütz, et al. Synthesis, biological evaluation and toxicity of novel tetrandrine analogues. Eur J Med Chem. 2020 Dec 1;207:112810.

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

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