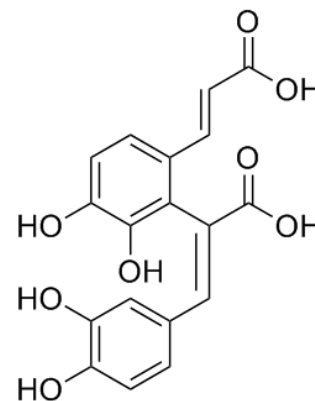


Product Name : SMND-309
Cat. No. : PC-43358
CAS No. : 1065559-56-9
Molecular Formula : C₁₈H₁₄O₈
Molecular Weight : 358.299
Target : Other Targets
Solubility : DMSO: ≥ 3.7 mg/mL



Biological Activity

SMND-309 is a derivative of salvianolic acid B, attenuates apoptosis and ameliorates mitochondrial energy metabolism in rat cortical neurons.

SMND-309 increases cell survival rate, mitochondrial antioxidant enzyme activities, mitochondrial respiratory enzymes activities, mitochondrial respiratory control ratio and the adenosine triphosphate content, decreases mitochondrial malondialdehyde content, lactate dehydrogenase release, intracellular Ca(2+) level and caspase-3 activity in a concentration-dependent manner.

SMND-309 exhibits significantly higher potency as compared to salvianolic acid B, shows protective potential against cerebral ischaemic injury.

References

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Tian J, Phytomedicine. 2009 Aug;16(8):726-33.et al.

Hou J, et al. Eur J Pharmacol. 2011 Jan 10;650(1):390-5.

Caution: Product has not been fully validated for medical applications. Lab Use Only!

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