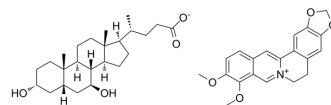


Berberine ursodeoxycholate

Cat. No.:	HY-147246
CAS No.:	1868138-66-2
Molecular Formula:	C ₄₄ H ₅₇ NO ₈
Molecular Weight:	727.93
Target:	Others
Pathway:	Others
Storage:	4°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

DMSO : 5 mg/mL (6.87 mM; ultrasonic and warming and heat to 60°C)

	Solvent Concentration	Mass	1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM		1.3738 mL	6.8688 mL	13.7376 mL
	5 mM		0.2748 mL	1.3738 mL	2.7475 mL
	10 mM		---	---	---

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

BIOLOGICAL ACTIVITY

Description

Berberine ursodeoxycholate (HTD1801), an ionic salt of Berberine and Ursodeoxycholic acid, is an orally active and potent hypolipidemic agent. Berberine ursodeoxycholate shows significantly great reduction in liver fat content. Berberine ursodeoxycholate has a broad spectrum of metabolic activity. Berberine ursodeoxycholate can be used for the research of hyperlipidemia, non-alcoholic steatohepatitis (NASH) and diabetes^{[1][2]}.

In Vivo

Berberine ursodeoxycholate shows significant reductions in HbA1c (hemoglobin A1c) levels, mean HbA1c levels decreases by 0.6%^[1].
Berberine ursodeoxycholate is ingested in the form of a salt and it is thought that the salt promptly dissociates within the gastrointestinal tract and that Berberine and Ursodeoxycholic acid are differentially absorbed^[1].
MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Harrison SA, et al. A phase 2, proof of concept, randomised controlled trial of berberine ursodeoxycholate in patients with presumed non-alcoholic steatohepatitis and type 2 diabetes. Nat Commun. 2021 Sep 17;12(1):5503.

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

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