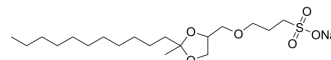


ALS-I

Cat. No.:	HY-44157
CAS No.:	308818-13-5
Molecular Formula:	C ₁₉ H ₃₇ NaO ₆ S
Molecular Weight:	416.55
Target:	Biochemical Assay Reagents
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

H₂O : 125 mg/mL (300.08 mM; Need ultrasonic)

Concentration	Mass		
	1 mg	5 mg	10 mg
1 mM	2.4007 mL	12.0034 mL	24.0067 mL
5 mM	0.4801 mL	2.4007 mL	4.8013 mL
10 mM	0.2401 mL	1.2003 mL	2.4007 mL

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

BIOLOGICAL ACTIVITY

Description

ALS-I, an acid-Liable surfactant, is adopted for in-solution enzymatic digestions, can help to solubilize hydrophobic proteins. ALS-I is significantly enhanced peptide recovery for mass spectrometry (MS) mapping in the study of the proteomes of regenerating rat retina and mouse brain^{[1][2]}.

In Vivo

ALS-I is significantly enhanced peptide recovery for mass spectrometry (MS) mapping in the study of the proteomes of regenerating rat retina and mouse brain^{[1][2]}.
MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. König S, et al. Sodium dodecyl sulfate versus acid-labile surfactant gel electrophoresis: comparative proteomic studies on rat retina and mouse brain. *Electrophoresis*. 2003;24(4):751-756.

[2]. Norrgran J, et al. Optimization of digestion parameters for protein quantification. *Anal Biochem*. 2009;393(1):48-55.

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

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