

TUDCA, ER stress inhibitor

Catalog	Unit
TBI2782-500MG	500 mg
TBI2782-1G	1 g

Product Details

Formal Name: 3 α ,7 β -Dihydroxy-5 β -cholan-24-oic acid N-(2-sulfoethyl)amide

Alternate Names: Tauroursodeoxycholic acid; Tauroursodeoxycholate

Molecular Formula: C₂₆H₄₅NO₆S

Formula Weight: 499.7

CAS Number: 14605-22-2

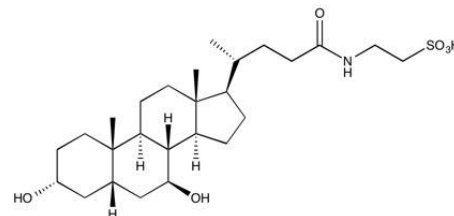
Purity: >98%

Formulation: powder

Solubility: Soluble in DMSO (30 mg/ml) or in Ethanol (20 mg/ml with warming)

Storage: -20°C

Stability: \geq 2 years.



Applications

ER stress inhibitor

Functions

A classic inhibitor of endoplasmic reticulum (ER) stress. Reduces ER stress and adipose tissue inflammation in a mouse model of high fat diet-induced obesity. Blocks ER stress-induced NLRP3 inflammasome activation and hepatocyte death. Attenuates amyloid precursor protein processing and amyloid- β deposition in APP/PS1 mouse model.

Application Procedures

First dissolved in DMSO (30 mg/ml) or in ethanol (20 mg/ml with warming), then diluted to aqueous buffer. Solutions in DMSO or ethanol may be stored at -20°C for up to 3 months.

For research use only.