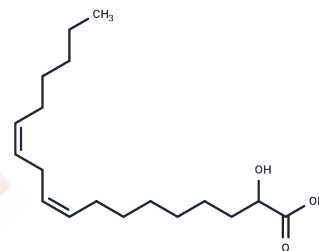


ABTL-0812

Chemical Properties

CAS No. : 57818-44-7
 Formula: C₁₈H₃₂O₃
 Molecular Weight: 296.44
 Appearance: no data available
 Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year



Biological Description

Description	ABTL-0812 induces endoplasmic reticulum (ER) stress-mediated autophagy, and with anti-cancer activity.
Targets(IC50)	Others
In vitro	cell viability of squamous NSCLC H157 cells inhibited by ABTL-0812 (ABTL0812; 10-100 μ M; 48 hours). Compared with squamous NSCLC H157 cells, human lung fibroblast cell line MRC-5 are resistant to ABTL0812 treatment.
In vivo	In human lung and pancreatic xenografts, ABTL-0812 (ABTL0812; 120 mg/kg; oral gavage; 5 times per week; for 33 d) induces ER stress. In vivo, ABTL-0812 induces hallmarks of ER stress. ABTL-0812 increases ATF4 and HSPA5 expression in mice bearing MiaPaca2 and A549 xenograft, respectively.

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.3734 mL	16.8668 mL	33.7336 mL
5 mM	0.6747 mL	3.3734 mL	6.7467 mL
10 mM	0.3373 mL	1.6867 mL	3.3734 mL
50 mM	0.0675 mL	0.3373 mL	0.6747 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Reference

Muñoz-Guardiola P, et al. The anti-cancer drug ABTL0812 induces ER stress-mediated cytotoxic autophagy by increasing dihydroceramide levels in cancer cells. Autophagy. 2020 May 13.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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