

## Fentomycin

## Chemical Properties

CAS No. :

Formula:

Molecular Weight:

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.

## Biological Description

Description	Fentomycin is a dual-functional lipolysis-targeting chimera (LIPTAC). It specifically targets plasma membrane phospholipids and, following endocytosis, activates lysosomal iron, which promotes phospholipid oxidation and degradation leading to ferroptosis. This compound effectively kills primary sarcoma and pancreatic ductal adenocarcinoma cells, particularly those subpopulations that are metastatic, drug-resistant, and exhibit high CD44 expression. Fentomycin shows antitumor activity.
Targets(IC50)	Ferroptosis

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