

GPX4-IN-18

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	GPX4-IN-18 (Compound 17) is a ferrocene-containing inhibitor of glutathione peroxidase 4 (GPX4), and it also acts as a ferroptosis inducer. It enhances the production of reactive oxygen species (ROS) and malondialdehyde (MDA) levels in OS-RC-2 clear cell renal carcinoma cells. In HT-1080 cells, GPX4-IN-18 induces ferroptosis with IC50 values of 0.007 μ M (without iron inhibitor-1) and 1.486 μ M (with iron inhibitor-1). Additionally, GPX4-IN-18 reduces tumor volume and intratumoral GPX4 levels in an OS-RC-2 xenograft mouse model.
Targets(IC50)	Cannabinoid Receptor,Ferroptosis,Glutathione Peroxidase,ROS

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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