

hCAIX-IN-23

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	hCAIX-IN-23 (Compound 27) is a human carbonic anhydrase (hCA) inhibitor with K_i values of 10.4 nM for hCA IX and 8.5 nM for hCA XII. It not only inhibits hCA activity but also releases NO, exerting dual anti-tumor effects. By reducing the expression of hCA IX and iron regulatory proteins, hCAIX-IN-23 regulates mitochondrial caspase activity and the ferroptosis pathway, thereby inducing apoptosis. This compound is utilized in research focused on renal cancer.
Targets(IC50)	Apoptosis, Ferroptosis, Reactive Oxygen Species, Caspase, Mitochondrial Metabolism, Carbonic Anhydrase

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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