

Catalog Number: CM11483

产品信息

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CM11483

CAS号:
227010-33-5

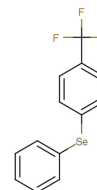
分子式:
C₁₃H₉F₃Se

主要靶点:
Dehydrogenase

主要通路:
代谢

分子量:
301.17

溶解度:
DMSO:30.11 mg/mL (100 mM), Sonification is recommended.



靶点活性

LDHA:145.2 nM (IC₅₀)

体外活性

LDHA-IN-3 (PSTMB) (0-500 μ M; 48 h; MCF-7 cells) has cytotoxic effects.[1] PSTMB (0.01-1 μ M) has a dose-dependent inhibitory effect on LDHA activity. PSTMB (0-0.5 μ M) inhibits LDHA activity in Michaelis-Menten and Lineweaver-Burk plots. [1] PSTMB (30 and 50 μ M; HT29 cells) induces ROS production and mitochondrial damage.[1] PSTMB efficiently binds to LDHA protein. PSTMB induces intrinsic pathway-mediated apoptosis in cancer cells through the production of mitochondrial ROS.[1]

描述

LDHA-IN-3 is a potent non-competitive lactate dehydrogenase (LDHA) inhibitor with an IC₅₀ value of 145.2 nM. LDHA-IN-3 is a selenobenzene compound that can be used in cancer research.

储存

Powder: -20°C for 3 years | In solvent: -80°C for 2 years