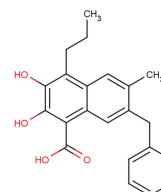


Catalog Number: CM11586

## 产品信息

Catalog Number:  
CM11586CAS号:  
213971-34-7分子式:  
C<sub>22</sub>H<sub>22</sub>O<sub>4</sub>主要靶点:  
Dehydrogenase主要通路:  
代谢分子量:  
350.41溶解度:  
DMSO:225.0 mg/mL (642.1 mM), Sonification is recommended.

## 靶点活性

LDHA: 8  $\mu$  M (Ki) | LDHA, HeLa cell: 23.3  $\mu$  M | LDHA (HeLa cell): 23.3  $\mu$  M | DU145 (cell): 32  $\pm$  1.1  $\mu$  M | PC3 (cell): 27  $\pm$  1.1  $\mu$  M

## 体外活性

FX-11 (9  $\mu$  M, 24-48 h) induces activation of AMP kinase and phosphorylation of acetyl-CoA carboxylase, its substrate. FX-11 disrupts glycolysis and modifies cellular energy metabolism in P493 cells. [1] FX-11 (0-100  $\mu$  M, 72 h) impedes cell proliferation in BxPc-3 and MIA PaCa-2 cells. [2]

## 体内活性

FX-11 (42  $\mu$ g/mouse; IP, administered daily for 10-14 days) suppresses P493 tumor growth. [1] FX-11 (0-2 mg/kg, IP, daily, for 3 weeks) notably retards tumor growth. [2]

## 描述

FX-11 is A potent, selective and competitive specific inhibitor of lactate dehydrogenase A (LDHA) with a Ki of 8  $\mu$  M. FX-11 can activate PKM2 (pyruvate kinase M2). FX-11 can reduce ATP levels, induce oxidative stress and ROS production, and cause cell death. FX-11 appeared antitumor activity during xenotransplantation of lymphoma and pancreatic cancer.

## 储存

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