

Catalog Number: CM05203

产品信息

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CM05203

CAS号:
853953-65-8

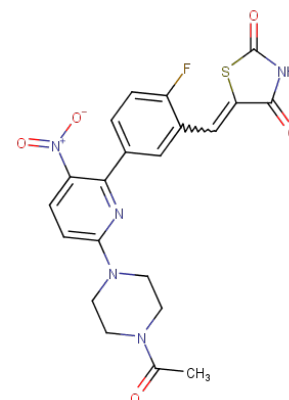
分子式:
 $C_{21}H_{18}FN_5O_5S$

主要靶点:
Mitochondrial Metabolism

主要通路:
代谢

分子量:
471.46

溶解度:
DMF:5mg/ml(10.61mM),Sonification
is recommended,DMSO:4 mg/mL
(8.48 mM)



体外活性

Direct measurement of pyruvate transport into rat liver and yeast mitochondria confirmed that these agents inhibited the mitochondrial pyruvate carrier (MPC) with $K(i)$ values $<0.1 \mu M$. Inhibitor titrations of pyruvate-dependent respiration by heart mitochondria gave values for the concentration of inhibitor binding sites (pmol per mg protein) and their $K(i)$ (nM) of 56.0 and 0.057 nM for the more hydrophobic GW604714X. GW604714X inhibited L-lactate transport by the plasma membrane monocarboxylate transporter MCT1, but at concentrations more than four orders of magnitude greater than the MPC.

描述

GW604714X were found to be potent inhibitors of mitochondrial respiration supported by pyruvate

储存

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