For Research Use Only

SU3327

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Catalog Number: CM04927

产品信息

Catalog Number:
CM04927

CAS号:
40045-50-9

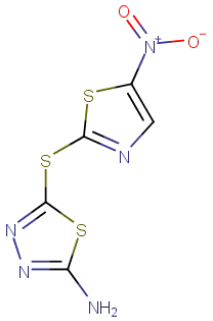
分子式:
$C_5H_3N_5O_2S_3$

主要靶点:
JNK

主要通路:
MAPK信号通路

分子量:
261.3

溶解度:
DMSO:62.5 mg/mL (239.19 mM),Sonification is recommended.



靶点活性

JNK-JIP interactions:239 nM |JNK:0.7 μM

体外活性

TNF-α stimulated phosphorylation of c-Jun in HeLa cells inhibited by SU3327 with EC50 of 6.23 μM[1]. SU3327 (25 nM) pretreatment of human-derived cerebral microvascular endothelial cells (hCMEC/D3) effectively reduces LPS-induced polymorphonuclear leukocytes (PMN) rolling/adhesion to hCMEC/D3, prevents activation of AP-1, and significantly reduces expression of VCAM-1[3].

体内活性

In male BKS.Cg-+Leprdb/+Leprdb/OlaHsd db/db mice, SU3327 (25 mg/kg; intraperitoneal injection;) treatment possesses the ability to restore insulin sensitivity in mice models of diabetes[1]. SU3327 has favorable microsomal and plasma stability (T1/2 = 27 min)[1].

描述

SU3327 is a potent, selective and substrate-competitive inhibitor of JNK(IC50 of 0.7 μM).

储存

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