Product Data Sheet

Product Name: SK 216
Cat. No.: GC50372

Chemical Properties

Cas. No.	654080-03-2		
SMILES	CC(C)(C)C1=CC=C(OC(C2=CC(C=CC(OCCCCCC(C(O[Na])=O)C(O[Na])=O)=C3)=C3C=C2)=N4)C4=C1		
Formula	$C_{29}H_{29}NO_6Na_2$	M.Wt	533.52
Solubility	Soluble in DMSO	Storage	Store at -20°C
General tips	For obtaining a higher solubility , please warm the tube at 37 ℃ and shake it in the ultrasonic bath for a while.Stock solution can be stored below -20℃ for several months.		
Shipping Condition	Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.		
Structure	SK 216		

Background

Plasminogen activator inhibitor-1 (PAI-1) inhibitor. Inhibits VEGF-induced migration and tube formation in HUVECs. Also attenuates TGF-β dependent epithelial-mesenchymal transition and fibroblast to myofibroblast differentiation in vitro. Reduces size and weight of subcutaneous tumors, and inhibits metastasis and angiogenesis in vivo. Reduces bleomycin-induced pulmonary fibrosis in vivo. Orally bioavailable.

Omori et al (2016) Inhibition of plasminogen activator inhibitor-1 attenuates transforming growth factor-β-dependent epithelial mesenchymal transition and differentiation of fibroblasts to myofibroblasts. PLoS One. 11 e0148969 PMID:26859294 |Takayama et al (2016) Inhibition of PAI-1 limits tumor angiogenesis regardless of angiogenic stimuli in malignant pleural mesothelioma. Cancer Res. 76 3285 PMID:27197170 |Masuda et al (2013) SK-216, an inhibitor of plasminogen activator inhibitor-1, limits tumor progression and angiogenesis. Mol.Cancer Ther. 12 2378 PMID:23990114

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