

SM27

Chemical Properties

CAS No. : 6266-54-2

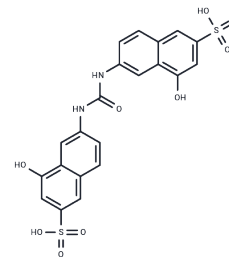
Formula: C₂₁H₁₆N₂O₉S₂

Molecular Weight: 504.49

Store at low temperature

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.



Biological Description

Description	SM27 is a fibroblast growth factor 2 (FGF2) inhibitor with anti-angiogenic activity and can be used to study tumours.
Targets(IC50)	FGFR

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.9822 mL	9.911 mL	19.822 mL
5 mM	0.3964 mL	1.9822 mL	3.9644 mL
10 mM	0.1982 mL	0.9911 mL	1.9822 mL
50 mM	0.0396 mL	0.1982 mL	0.3964 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

- Pagano K, et al. Direct and allosteric inhibition of the FGF2/HSPGs/FGFR1 ternary complex formation by an antiangiogenic, thrombospondin-1-mimic small molecule. PLoS One. 2012;7(5):e36990.
- Pinessi D, et al. PO-15 - Antiangiogenic small molecule ligands of FGF2 derived from the endogenous inhibitor thrombospondin-1. Thromb Res. 2016 Apr;140 Suppl 1:S182.
- Meli M, Pagano K, Ragana L, Colombo G. Investigating the dynamic aspects of drug-protein recognition through a combination of MD and NMR analyses: implications for the development of protein-protein interaction inhibitors. PLoS One. 2014 May 27;9(5):e97153. doi: 10.1371/journal.pone.0097153. eCollection 2014. PubMed PMID: 24865844; PubMed Central PMCID: PMC4035249.
- Pagano K, Torella R, Foglieni C, Bugatti A, Tomaselli S, Zetta L, Presta M, Rusnati M, Taraboletti G, Colombo G, Ragana L. Direct and allosteric inhibition of the FGF2/HSPGs/FGFR1 ternary complex formation by an antiangiogenic, thrombospondin-1-mimic small molecule. PLoS One. 2012;7(5):e36990. doi: 10.1371/journal.pone.0036990. Epub 2012 May 14. PubMed PMID: 22606323; PubMed Central PMCID: PMC3351436.

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