

Product data sheet



MedKoo Cat#: 205802 Name: 4SC-203 CAS#: 895533-09-2 Chemical Formula: C ₃₃ H ₃₈ N ₈ O ₄ S Exact Mass: 642.27367 Molecular Weight: 642.77		
Product supplied as:	Powder	
Purity (by HPLC):	≥ 98%	
Shipping conditions	Ambient temperature	
Storage conditions:	Powder: -20°C 3 years; 4°C 2 years. In solvent: -80°C 3 months; -20°C 2 weeks.	

1. Product description:

4SC-203 is a multikinase inhibitor with potential antineoplastic activity. Multikinase inhibitor 4SC-203 selectively inhibits FMS-related tyrosine kinase 3 (FLT3/STK1), FLT3 mutated forms, and vascular endothelial growth factor receptors (VEGFRs). This may result in the inhibition of angiogenesis and cell proliferation in tumor cells in which these kinases are upregulated. FLT3 (FLK2), a class III tyrosine kinase receptor, is overexpressed or mutated in most B lineage and acute myeloid leukemias (AML). VEGFRs, tyrosine kinase receptors, are overexpressed in a variety of tumor cell types and play key roles in angiogenesis.

2. CoA, QC data, SDS, and handling instruction

SDS and handling instruction, CoA with copies of QC data (NMR, HPLC and MS analytical spectra) can be downloaded from the product web page under “QC And Documents” section. Note: copies of analytical spectra may not be available if the product is being supplied by MedKoo partners. Whether the product was made by MedKoo or provided by its partners, the quality is 100% guaranteed.

3. Solubility data

Solvent	Max Conc. mg/mL	Max Conc. mM
DMSO	125.0	194.47

4. Stock solution preparation table:

Concentration / Solvent Volume / Mass	1 mg	5 mg	10 mg
1 mM	1.56 mL	7.78 mL	15.56 mL
5 mM	0.31 mL	1.56 mL	3.11 mL
10 mM	0.16 mL	0.78 mL	1.56 mL
50 mM	0.03 mL	0.16 mL	0.31 mL

5. Molarity Calculator, Reconstitution Calculator, Dilution Calculator

Please refer the product web page under section of “Calculator”

6. Recommended literature which reported protocols for in vitro and in vivo study

In vitro study

TBD

In vivo study

TBD

7. Bioactivity

Biological target:

4SC-203 is a potent multikinase inhibitor with potential antineoplastic activity. 4SC-203 selectively FLT3/STK1, FLT3 mutated forms, and VEGFRs.

In vitro activity

TBD

In vivo activity

TBD

Note: The information listed here was extracted from literature. MedKoo has not independently retested and confirmed the accuracy of these methods. Customer should use it just for a reference only.