

Technical Data Sheet

F-1

Compound Information

Product Name:	F-1
CAS No.:	2244775-31-1
Molecular Formula:	C ₂₂ H ₂₇ ClN ₈ O ₃ S
Molecular Weight:	519.02
Storage:	4°C, protect from light
Revision Date:	2026-04-15

Analytical Information

Tests	Specifications
Description	F-1 is a potent ALK and ROS1 dual inhibitor, suppresses phospho-ALK and its relative downstream signaling pathways, with IC ₅₀ values of 2.1 nM, 2.3 nM, 1.3 nM and 3.9 nM for ALKWT, ROS1WT, ALKL1196M and ALKG1202R, respectively.
Form	Solid
Solubility	Soluble in DMSO
1H NMR	Pass test

Disclaimer: This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any other process. Such information is to be the best of the company's knowledge and believed accurate and reliable as of the date indicated. However, no representation, warranty or guarantee of any kind, express or implied, is made as to its accuracy, reliability or completeness and we assume no responsibility for any loss, damage or expense, direct or consequential, arising out of use. It is the user's responsibility to satisfy himself as to the suitability & completeness of such information for his own particular use.