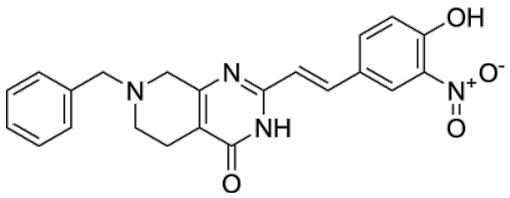
Product Data Sheet

Product Name: STARD3-IN-1
Cat. No.: GC81313

Chemical Properties

Cas. No.	1424357-72-1		
Formula	$C_{22}H_{20}N_4O_4$	M.Wt	404.42
Solubility	DMSO: 100 mg/mL (247.27 mM; Need ultrasonic)	Storage	Store at -20°C
General tips	For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while.Stock solution can be stored below -20°C 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			



Background

STARD3-IN-1 (Compound VS1) is a STARD3 inhibitor with an IC_{50} of 35 μM. STARD3 is a protein that is overexpressed in various cancers and is involved in cholesterol transport. STARD3-IN-1

exhibits anti-proliferative activity in breast cancer and colon cancer cells, significantly weakening the clonogenic ability of cancer cells. STARD3-IN-1 increases the protein levels of FAK and pTyr397-FAK. STARD3-IN-1 can be used for research on breast cancer and colon cancer [1].

References:

[1]. Lapillo M, et al. First-of-its-kind STARD3 Inhibitor: In Silico Identification and Biological Evaluation as Anticancer Agent. ACS Med Chem Lett. 2019 Feb 20;10(4):475-480.