

Product Data Sheet

Product Name: STARD3-IN-1

Cat. No.: GC81313

Chemical Properties

Cas. No. 1424357-72-1

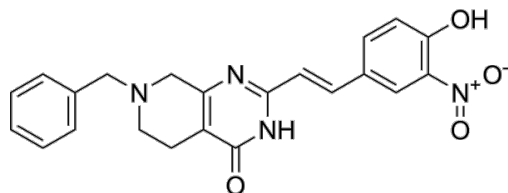
Formula $C_{22}H_{20}N_4O_4$ M.Wt 404.42

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 μ M. STARD3 is a protein that is overexpressed in various cancers and is involved in cholesterol transport. STARD3-IN-1

Caution: Product has not been fully validated for medical applications. For research use only.

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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.

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