

SHP2 protein degrader-1 Biochemical | SHP2 biochemical

SHP2 protein degrader-1

CATALOG #
AAA228539

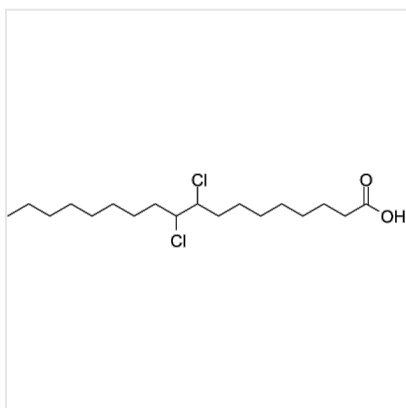
PRODUCT SYNONYMS

SHP2 protein degrader-1; SHP2 biochemical

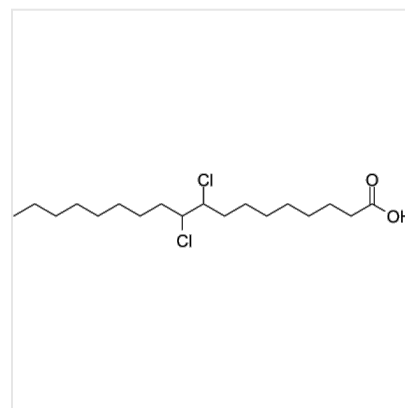
PRODUCT SPECIFICATIONS

Purity/Purification	98%
CAS	2624181-69-5
Solubility	<1mg/ml refers to the product slightly soluble or insoluble
In vitro	SHP2 protein degrader-1 (compound SP4)(0-200 uM; 24 hours) inhibits the growth of Hela cells, with IC 50 of 5.77 and 4.30 nM, respectively, which are about 100 times higher than the activity of SHP099 (SHP2 inhibitor)[1]. SHP2 protein degrader-1 (compound SP4)(0-200 uM; 96 hours) induces 54.01% apoptotic death compared with 0.13% of the control at 100 nM[1]. SHP2 protein degrader-1 (compound SP4)(0-200 uM; 96 hours) induces cell cycle arrested at the G1 phase in Hela cells[1]. SHP2 protein degrader-1 (compound SP4)(0-200 uM; 96 hours) significantly inhibits the phosphorylation of JNK, Erk and p38[1]. SHP2 protein degrader-1 (compound SP4)(0-200 uM; 96 hours) inhibits RAS/MAPK signaling and cellular responses by a mechanism involving inhibition of SHP2 catalytic activity[1]. Cell Viability Assay[1] Cell Line: Hela cells Concentration: 0-200uM. Incubation Time: 24 hours. Result: Strongly inhibited the growth of Hela cells, with IC 50 of 5.77 and 4.30nM, respectively, which were about 100 times higher than the activity of SHP099 (SHP2 inhibitor). Apoptosis Analysis[1] Cell Line: Hela cells Concentration: 0-100uM Incubation Time: 96 hours. Result: Induced 54.01% apoptotic death compared with 0.13% of the control at 100 nM. While SHP099 at 1000 nM could induce 33.74% apoptotic death compared with 0.13% of the control. Cell Cycle Analysis[1] Cell Line: Hela cells Concentration: 0-100 uM. Incubation Time: 96 hours. Result: Induced cell cycle arrested at the G1 phase in Hela cells. Western Blot Analysis[1] Cell Line: Hela cells. Concentration: 0-100uM. Incubation Time: 96 hours. Result: Significantly inhibited the phosphorylation of JNK, Erk and p38.
Preparation and Storage	Powder: -20 degree C for 3 years In solvent: -80 degree C for 2 years

IMAGES



Structure
9,10-Dichlorostearic acid, CAS 5829-48-1



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ADDITIONAL INFORMATION

Related Product Information for SHP2 biochemical	SHP2 protein degrader-1 is a potent allosteric inhibitor of SHP2. SHP2 protein degrader-1 induces SHP2 degradation and cell apoptosis. SHP2 protein degrader-1 has the potential for researching SHP2 related diseases.
References	1. G Ewald, et al. ATP leakage from ELD cells after exposure to stearic, monochlorostearic, dichlorostearic, and oleic acids. Pharmacol Toxicol

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/biochemical/shp2-protein-degrader-1/228539>