

RSL-3 Biochemical

RSL-3

CATALOG #
AAA201896

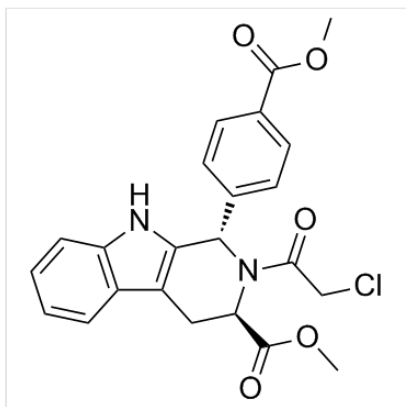
PRODUCT SYNONYMS

RSL-3; RSL3; 1S; 3R-RSL3; RSL-3 biochemical

PRODUCT SPECIFICATIONS

Target	Ferroptosis
Receptor	Ferroptosis
Chemical Name	1H-Pyrido[3, 4-b]indole-3-carboxylic acid, 2-(2-chloroacetyl)-2, 3, 4, 9-tetrahydro-1-[4-(methoxycarbonyl)phenyl]-, methyl ester, (1S, 3R)
SMILES	<chem>O=C(OC)[C@@H]1N(C(CCl)=O)[C@@H](C2=CC=C(C(OC)=O)C=C2)C3=C(C(C=CC=C4)=C4N3)C1</chem>
Molecular Formula	C23H21ClN2O5
CAS Number	1219810-16-8
Pathway	Apoptosis
Solubility	DMSO: ≥31 mg/mL
Preparation and Storage	Store at -20°C.

IMAGES



Structure

ADDITIONAL INFORMATION

Related Product Information for RSL-3 biochemical	An oncogenic RAS-selective lethal compound that activates iron-dependent, nonapoptotic cell death in oncogenic-RAS-harboring cancer cells, inhibits glutathione peroxidase (GPX4) and induces ferroptosis in BJeLR cells (EC50=10nM); increases PTGS2 expression and significantly inhibits tumor growth in a xenograft mouse model (100mg/kg).
Product Categories/Family for RSL-3 biochemical	Apoptosis; Cancer

References

1. Yang WS, et al. Chem Biol. 2008 Mar; 15 (3):234-45.
2. Yang WS, et al. Cell. 2014 Jan 16; 156 (1-2):317-331.
3. Dchert J, et al. Oncotarget. 2016 Sep 27; 7 (39):63779-63792.

NCBI AND UNIPROT INFORMATION

Molecular Weight

440.88

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/rsl-3/201896>