

RC363 biochemical

RC363

CATALOG #
AAA227169

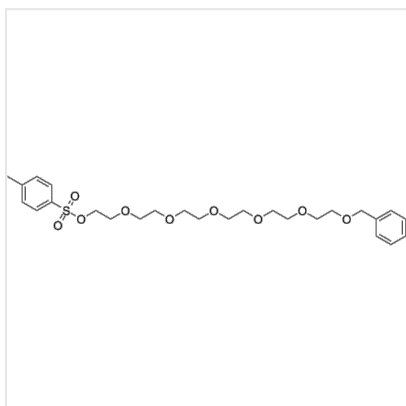
PRODUCT SYNONYMS

RC363; RC363 biochemical

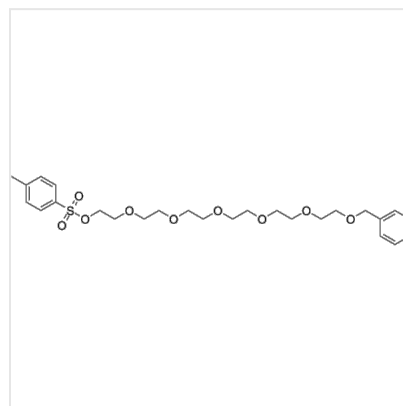
PRODUCT SPECIFICATIONS

Purity/Purification	98%
Solubility	Ethanol:PBS (pH 7.2)(1:1): Insoluble Ethanol: 30 mg/mL DMF: 30 mg/mL PBS (pH 7.2): Insoluble DMSO: 30 mg/mL <1mg/ml refers to the product slightly soluble or insoluble
Preparation and Storage	Powder: -20 degree C for 3 years In solvent: -80 degree C for 2 years

IMAGES



Structure
Benzyl-PEG6-Ots, CAS 129086-11-9



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ADDITIONAL INFORMATION

Related Product Information for RC363 biochemical

RC363 is an inhibitor of ferroptosis and a derivative of the antioxidant and hypocholesterolemic agent probucol. It reduces 2,2-diphenyl-1-picrylhydrazyl radicals by approximately 40% in a cell-free assay when used at a concentration of 25 μ M. RC363 prevents glutamate-induced toxicity in HT22 cultured hippocampal cells (IC_{50} = 234.5 nM) but does not reduce oxidant levels in these cells. It increases the levels of glutathione peroxidase 1 (GPX1) and the activity of GPX in glutamate-challenged HT22 cells when used at a concentration of 3 μ M. RC363 inhibits ferroptosis induced by the GPX4 inhibitor RSL3 in HT22 cells (IC_{50} = 173.6 nM).

NCBI AND UNIPROT INFORMATION

Molecular Weight	526.64
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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/rc363/227169>