

GNE-274 biochemical

GNE-274

CATALOG #
AAA228351

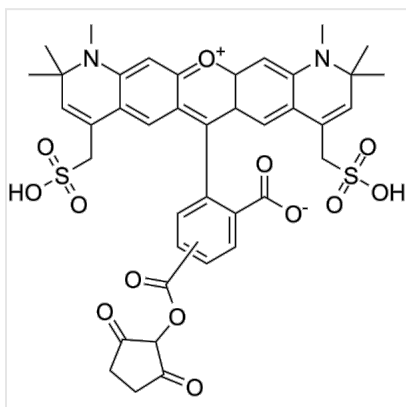
PRODUCT SYNONYMS

GNE-274; GNE-274 biochemical

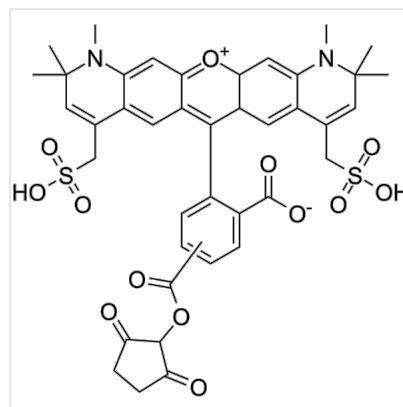
PRODUCT SPECIFICATIONS

Purity/Purification	98%
CAS	2369048-69-9
Solubility	<1mg/ml refers to the product slightly soluble or insoluble
In vitro	GNE-274 (0.1 nM-1000 nM; 4 hours) fails to trigger increased ER turnover in MCF7, MD-134, HCC1500 and CAMA cells[1].GNE-274 (1-1000 nM; 7-10 days) potently inhibits cellular proliferation, exhibiting greater potency than fulvestrant, 4-OHT, AZD9496, and GDC-0810 in E2-stimulated ER + breast cancer cell lines[1].In transposaseaccessible chromatin sequencing (ATAC-seq) assay, GNE-274 increase chromatin accessibility at ER-DNA binding sites, it significantly alters chromatin accessibility at 594 sites. But GDC-0927 has considerably less impact on chromatin accessibility[1]. Cell Viability Assay[1]Cell Line: MCF7, MB-134, HCC1500, EFM-19, CAMA-1, T-47D cells Concentration: 1 nM; 10 nM; 100 nM; 1000 nM Incubation Time: 7-10 days. Result: Exhibited IC 50 values approximately ranging from 5nM to 20 nM in different cells.
Preparation and Storage	Powder: -20 degree C for 3 years In solvent: -80 degree C for 2 years

IMAGES



Structure
TFAX 594,SE, CAS 295348-87-7



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ADDITIONAL INFORMATION

Related Product Information for GNE-274 biochemical

GNE-274 is a non-degrader that is structurally related to GDC-0927 (ER degrader). GNE-274 does not induce ER turnover and functions as a partial ER agonist in breast cancer cell lines. GNE-274 increase chromatin accessibility at ER-DNA binding sites, while GDC-0927 do not. GNE-274 is a potent inhibitor of ER-ligand binding domain (LBD). GNE-274 can be used for cancer research.

References

1. Panchuk-Voloshina N, et al. Alexa dyes, a series of new fluorescent dyes that yield exceptionally bright, photostable conjugates. J Histochem Cytochem. 1999;47(9):1179-1188.

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/gne-274/228351>