Data Sheet (Cat.No.T85622)

TargetMol

Alexa fluor 647 NHS ester

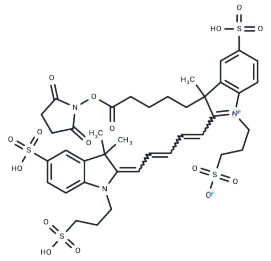
Chemical Properties

CAS No. : 1620475-28-6

Formula: C39H47N3O16S4

Molecular Weight: 942.06

Storage: Store at low temperature,Keep away from direct sunlight
Powder: -20°C for 3 years | In solvent: -80°C for 1 year
Actual storage temperature shall be subject to the COA.



Biological Description

Description	Alexa fluor 647 NHS ester (L-5-Hydroxytryptophan-d3) is a photostable far-red fluorescent dye used in imaging and flow cytometry to generate stable signals for protein labeling, amine-modified oligonucleotides, and other primary amine-containing molecules.
Targets(IC50)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.0615 mL	5.3075 mL	10.615 mL
5 mM	0.2123 mL	1.0615 mL	2.123 mL
10 mM	0.1062 mL	0.5308 mL	1.0615 mL
50 mM	0.0212 mL	0.1062 mL	0.2123 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Fernandez A, et al. In vivo characterization of the biodistribution profile of amphipol A8-35. J Membr Biol. 2014 Oct;247(9-10):1043-51.

Karlsson JKG, et al. Photo-isomerization of the Cyanine Dye Alexa-Fluor 647 (AF-647) in the Context of dSTORM Super-Resolution Microscopy. Chemistry. 2019 Nov 22;25(65):14983-14998.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only· Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481