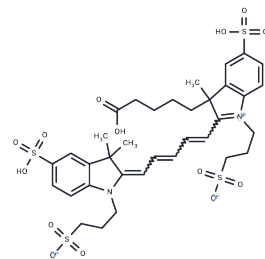


## AF 647 Acid

### Chemical Properties

CAS No. :	2090339-69-6
Formula:	C <sub>35</sub> H <sub>43</sub> N <sub>2</sub> O <sub>14</sub> S <sub>4</sub>
Molecular Weight:	843.98
Storage:	Keep away from direct sunlight, Store at low temperature Powder: -20°C for 3 years   In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



### Biological Description

Description	AF 647 Acid is a fluorescent dye commonly used in biomedical research for fluorescence labeling.
Targets(IC50)	Others

### Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.1849 mL	5.9243 mL	11.8486 mL
5 mM	0.237 mL	1.1849 mL	2.3697 mL
10 mM	0.1185 mL	0.5924 mL	1.1849 mL
50 mM	0.0237 mL	0.1185 mL	0.237 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

Gebhardt C, Lehmann M, Reif MM, Zacharias M, Gemmecker G, Cordes T. Molecular and Spectroscopic Characterization of Green and Red Cyanine Fluorophores from the Alexa Fluor and AF Series\*. *Chemphyschem*. 2021 Aug 4;22(15):1566-1583.

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