

## ETZ

## Chemical Properties

CAS No. : 2989379-61-3

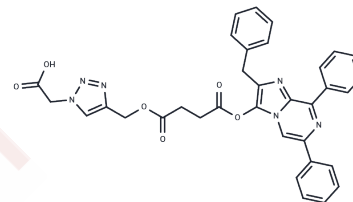
Formula: C<sub>34</sub>H<sub>28</sub>N<sub>6</sub>O<sub>6</sub>

Molecular Weight: 616.62

Keep away from direct sunlight

Storage: Store at -20°C

Actual storage temperature shall be subject to the COA.



## Biological Description

Description	ETZ (C3-CA-DTZ) is a luciferase prodrug that undergoes non-specific esterase hydrolysis in vivo to yield DTZ. ETZ is suitable for luciferase-catalysed bioluminescence imaging (BLI), exhibiting robust and sustained luminescence in mouse brain imaging.
Targets(IC50)	Others

## Solubility Information

Solubility	DMSO: ≥ 80 mg/mL, Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
------------	---

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.6217 mL	8.1087 mL	16.2174 mL
5 mM	0.3243 mL	1.6217 mL	3.2435 mL
10 mM	0.1622 mL	0.8109 mL	1.6217 mL
50 mM	0.0324 mL	0.1622 mL	0.3243 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

Tian X, et al. A luciferase prosubstrate and a red bioluminescent calcium indicator for imaging neuronal activity in mice. Nat Commun. 2022 Jul 8;13(1):3967.

**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