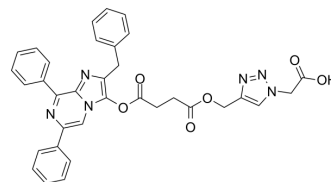


## ETZ

Cat. No.:	HY-145127		
CAS No.:	2989379-61-3		
Molecular Formula:	C <sub>34</sub> H <sub>28</sub> N <sub>6</sub> O <sub>6</sub>		
Molecular Weight:	616.62		
Target:	Fluorescent Dye		
Pathway:	Others		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



## SOLVENT & SOLUBILITY

In Vitro	DMSO : 100 mg/mL (162.17 mM; ultrasonic and warming and heat to 60°C)				
		Solvent Concentration	Mass 1 mg	5 mg	10 mg
	Preparing Stock Solutions	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	
Please refer to the solubility information to select the appropriate solvent.					
In Vivo	1. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: 5 mg/mL (8.11 mM); Suspended solution; Need ultrasonic				

## BIOLOGICAL ACTIVITY

Description	ETZ (C3-CA-DTZ) is a promising luciferase substrate (prosubstrate) activatable in vivo by nonspecific esterase to enhance the brain delivery of the luciferin <sup>[1]</sup> .
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## REFERENCES

[1]. Xiaodong Tian, et al. A luciferase prosubstrate and a red bioluminescent calcium indicator to image neuronal activity. bioRxiv 2021.12.06.471018.

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**Caution: Product has not been fully validated for medical applications. For research use only.**

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