

## ERthermAC

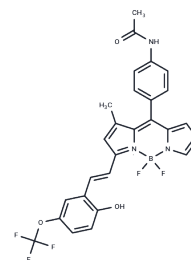
## Chemical Properties

CAS No. :

Formula: C<sub>27</sub>H<sub>21</sub>BF<sub>5</sub>N<sub>3</sub>O<sub>3</sub>

Molecular Weight: 541.29

Storage: 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	ERthermAC is a novel thermosensitive fluorescent dye, visualizing thermogenesis in stimulated single-cell brown adipocytes.
Targets(IC50)	Others

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.8474 mL	9.2372 mL	18.4744 mL
5 mM	0.3695 mL	1.8474 mL	3.6949 mL
10 mM	0.1847 mL	0.9237 mL	1.8474 mL
50 mM	0.0369 mL	0.1847 mL	0.3695 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

Kriszt R, Arai S, Itoh H, Lee MH, Goralczyk AG, Ang XM, Cypess AM, White AP, Shamsi F, Xue R, Lee JY, Lee SC, Hou Y, Kitaguchi T, Sudhakaran T, Ishiwata S, Lane EB, Chang YT, Tseng YH, Suzuki M, Raghunath M. Optical visualisation of thermogenesis in stimulated single-cell brown adipocytes. *Sci Rep.* 2017 May 3;7(1):1383. doi: 10.1038/s41598-017-00291-9. PubMed PMID: 28469146; PubMed Central PMCID: PMC5431191.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

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