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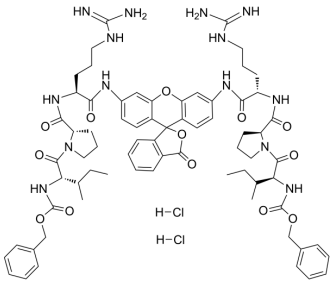
BZiPAR

Cat. No.:	HY-D1685
CAS No.:	254451-46-2
Molecular Formula:	$C_{70}H_{88}Cl_2N_{14}O_{13}$
Molecular Weight:	1404.44
Target:	Fluorescent Dye
Pathway:	Others
Storage:	-20°C, protect from light, stored under nitrogen * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light, stored under nitrogen)



BIOLOGICAL ACTIVITY

Description	BZiPAR is a fluorescent probe. BZiPAR also is a substrate of trypsin that becomes fluorescent after cleavage by the protease [1].
In Vitro	Guidelines (Following is our recommended protocol. This protocol only provides a guideline, and should be modified according to your specific needs). Confocal Imaging of Trypsinogen Activation: 1. Incubate the cells according to your normal protocol. 2. Isolate clusters of acinar cells. 3. Incubate acini in extracellular solution containing 100 μM BZiPAR. 4. BZiPAR were excited with a 488-nm laser line; emission was collected in the 508- to 530-nm band for cleaved BZiPAR. MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Mark W Sherwood, et al. Activation of trypsinogen in large endocytic vacuoles of pancreatic acinar cells. Proc Natl Acad Sci U S A. 2007 Mar 27;104(13):5674-9.

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