

Product Data Sheet

Product Name: BZiPAR
Cat. No.: GC71771

Chemical Properties

Cas. No. 254451-46-2

Formula $C_{70}H_{88}Cl_2N_{14}O_{13}$

M.Wt 1404.44

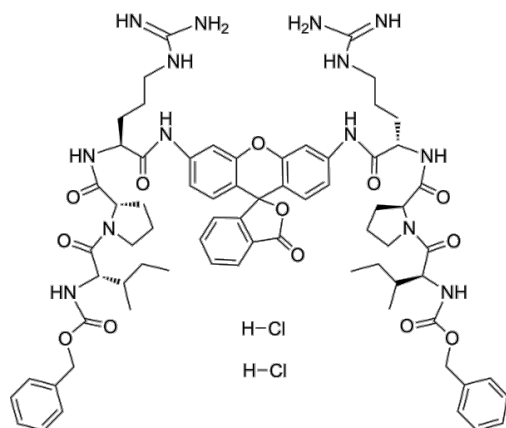
Solubility

Storage -20°C, protect from light, stored under nitrogen

General tips For obtaining a higher solubility, please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution: ship with blue ice. All other available size: ship with RT, or blue ice upon request.

Structure



Background

BZiPAR is a fluorescent probe. BZiPAR also is a substrate of trypsin that becomes fluorescent after cleavage by the protease.

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.

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

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2. Isolate clusters of acinar cells.
3. Incubate acini in extracellular solution containing 100 μ M BZiPAR.
4. BZiPAR were excited with a 488-nm laser line; emission was collected in the 508- to 530-nm band for cleaved BZiPAR.

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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