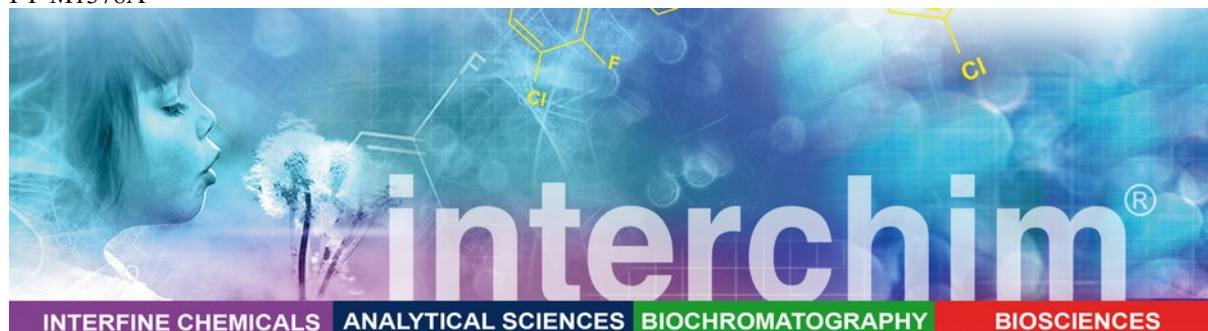


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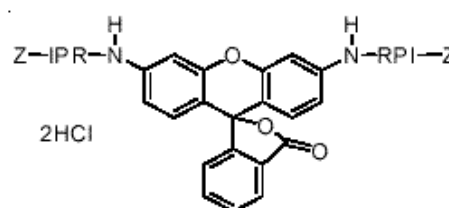


## BZiPAR

*Trypsin substrate*

### Product Information

<b>Name :</b>	<b>BziPA-Rhodamine 110</b> Rhodamine 110, bis-( <i>N</i> -CBZ-L-isoleucyl-L-prolyl-L-arginine amide), dihydrochloride (BZiPAR)
<b>Catalog Number :</b>	FP-M1378A, 5mg
<b>Structure :</b>	C <sub>70</sub> H <sub>88</sub> Cl <sub>2</sub> N <sub>14</sub> O <sub>13</sub>
<b>Molecular Weight :</b>	MW= 1404.5
<b>Solubility:</b>	Soluble in DMSO
<b>Absorption / Emission :</b>	$\lambda_{exc}/\lambda_{em} = 496/520$ nm



**Storage:** Store desiccated at -20°C, protected from light

### Introduction

BZiPAR is a substrate for trypsin.<sup>1,2</sup> The substrate has been reported to enter live cells and be hydrolyzed by lysosomal proteases.<sup>3</sup>

### Directions for use

#### Guidelines for use

Protocol may be found in the literature.

### Related products

- Dextran, FITC, 4000 MW, [FP-CL3200](#)
- Dextran, TRITC, 4000 MW, [FP-CL3150](#)
- Fura-2 AM, [FP-42776A](#)
- HEPES, free acid, [UP061940](#)

### References

- 1) **Raraty M. et al.**, Calcium-dependent enzyme activation and vacuole formation in the apical granular region of pancreatic acinar cells, *PNAS* vol. 97, no. 24, 13126-13131 (2000) [Article](#)
- 2) *Biochim Biophys Acta* **788**, 74(1984);
- 3) *Photochem Photobiol* **44**, 461(1986).
- 4) **Sherwood M. et al.**, Activation of trypsinogen in large endocytic vacuoles of pancreatic acinar cells, *PNAS* vol. 104, no. 13, 5674-5679 (2007) [Article](#)
- 5) **Katzenellenbogen B. et al.**, Bioactivities, Estrogen Receptor Interactions, and Plasminogen Activator-inducing Activities of Tamoxifen and Hydroxytamoxifen Isomers in MCF-7 Human Breast Cancer Cells, *Cancer Res.*, 44: 112 - 119 (1984) [Article](#)

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- 6) **Ponnuraj E. and Hayward A.**, Intact Intestinal mRNAs and Intestinal Epithelial Cell Esterase, But Not *Cryptosporidium parvum*, Reach Mesenteric Lymph Nodes of Infected Mice, *The Journal of Immunology*, 167: 5321-5328 (2001) [Article](#)

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