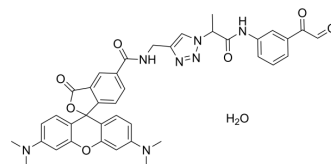


Citrulline-specific probe-rhodamine hydrate

Cat. No.:	HY-D1377
CAS No.:	2309313-01-5
Molecular Formula:	C ₃₉ H ₃₇ N ₇ O ₈
Molecular Weight:	731.75
Target:	Fluorescent Dye
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

Citrulline-specific probe-rhodamine hydrate is a specific probe for citrulline (Citrulline) combined with a rhodamine fluorescent group. Citrulline is the hydrolysis product of arginine catalyzed by protein arginine deiminase (PAD). PAD is abnormally activated in many diseases, leading to increased citrulline levels. Citrulline-specific probe-rhodamine hydrate is a biological probe that can identify diseases showing abnormal increases in PAD activity and may be effectively used in animal models of ulcerative colitis^[1].

REFERENCES

[1]. Bicker K L, Subramanian V, Chumanevich A A, et al. Seeing citrulline: development of a phenylglyoxal-based probe to visualize protein citrullination[J]. Journal of the American Chemical Society, 2012, 134(41): 17015-17018.

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

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