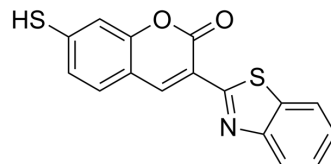


3-HTC

Cat. No.:	HY-D2041
CAS No.:	1356543-39-9
Molecular Formula:	C ₁₆ H ₉ NO ₂ S ₂
Molecular Weight:	311.38
Target:	Fluorescent Dye
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

3-HTC is a chemical fluorescent probe. 3-HTC reacts reversibly with thiols and disulfides, and can be used to measure dynamic GSH/GSSH ratios in vitro as well as to monitor the reversible redox status of whole cell lysates (λ_{max} : 448 nm in its reduced thiolate form, and a λ_{max} 370-410 nm for the oxidized mixed disulfide)^[1].

REFERENCES

[1]. Reddie KG, et al. Fluorescent coumarin thiols measure biological redox couples. *Org Lett*. 2012 Feb 3;14(3):680-3.

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

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