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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

SZABO-SCANDIC HandelsgmbH

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

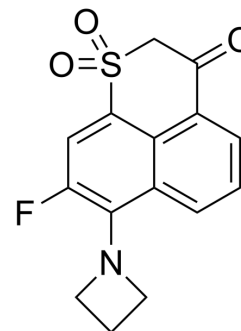
mail@szabo-scandic.com

www.szabo-scandic.com

[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic) 

CysOx2

Cat. No.:	HY-151505
Molecular Formula:	C ₁₅ H ₁₂ FNO ₃ S
Molecular Weight:	305.32
Target:	Fluorescent Dye
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	CysOx2 is a reaction-based fluorogenic probe for sulfenic acid (Ex/Em: 394/535 nm). CysOx2 can be used for detecting protein cysteine oxidation in living cells ^[1] .
IC₅₀ & Target	Sulfenic acid ^[1]
In Vitro	<p>CysOx2 (1 mM; 1 h) reacts with H₂O₂ and produces fluorescence in 50 mM HEPES pH 7.4^[1].</p> <p>CysOx2 is cell permeable^[1].</p> <p>CysOx2 (50 μM; 1 h) shows fluorescence signal in epitope-tagged wild-type EGFR expression HeLa cells, the signal is absent in C797S EGFR expression HeLa cells^[1].</p> <p>MCE has not independently confirmed the accuracy of these methods. They are for reference only.</p>

REFERENCES

[1]. Ferreira RB, et al. Reaction-based fluorogenic probes for detecting protein cysteine oxidation in living cells. Nat Commun. 2022 Sep 21;13(1):5522.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA