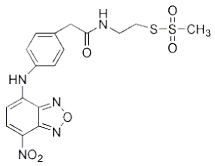
Revised: November 9, 2012

Product Information

NFQ1

Catalog Number: 80501

Unit Size: 5 mg



Molecular Information

$C_{17}H_{17}N_5O_6S_2$

Molecular weight: 451

Properties

Color and form: Orange solid
Solubility: 20 mM in DMSO
Purity: >95% by TLC
Absorption: 474 nm
Extinction coefficient: 26,297

Storage and Handling

Store desiccated at -20°C and protect from light. Product is stable for at least 6 months from date of receipt when stored as recommended.

Product Description

NFQ1, a non-fluorescent quencher, is used for a new type of One Sample Fluorescence Resonance Energy Transfer (OS-FRET) method employing a novel, non-fluorescent methanethiosulfonate-linked acceptor that can be reversibly coupled to a target sulfhydryl residue via a disulfide bond. After the quenched donor emission is quantitated the acceptor is removed by reduction, enabling measurement of unquenched donor emission in the same sample.

References

Erbse, A.H. et al. (2011). Biochemistry 50 (4):451-7.

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