EQ0 NHS ester

Amine-reactive quencher dye

EQ0 NHS ester is an amine-reactive quencher dye. It has a broad visible absorption but no detectable fluorescence emission, making it useful as an acceptor in fluorescence resonance energy transfer (FRET) applications.

It can be used to quench reporter dyes: AMCA, AMCA-X, DEAC, DEAC-X, MCA, MCC, CF™ 350, CF™405S, CF™405M, Pacific Blue™, Cascade Blue®, Marina Blue®, Alexa Fluor® 350, Alexa Fluor® 405, DyLight® 350, DyLight® 405, ATTO 390, ATTO 425, ATTO 465, iFluor™350, iFLuor™405, BD Horizon V450, BUV395, eFluor®450.

The EQ dyes are a family of non-fluorescent dyes that are designed for fluorescence quenching in FRET applications.

Ordering Information

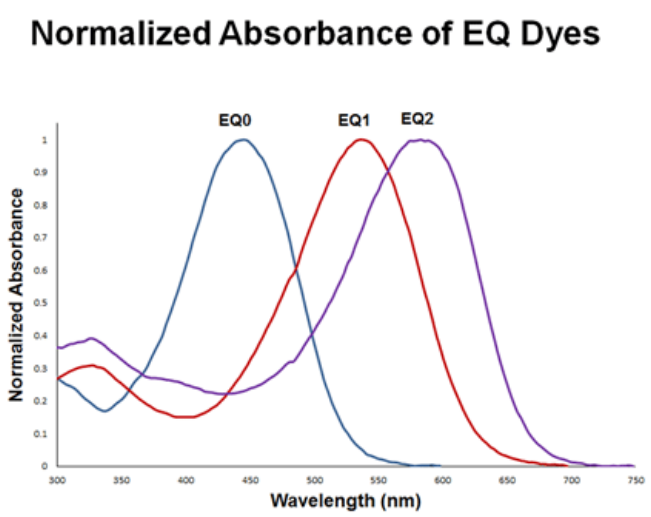
Order Online »

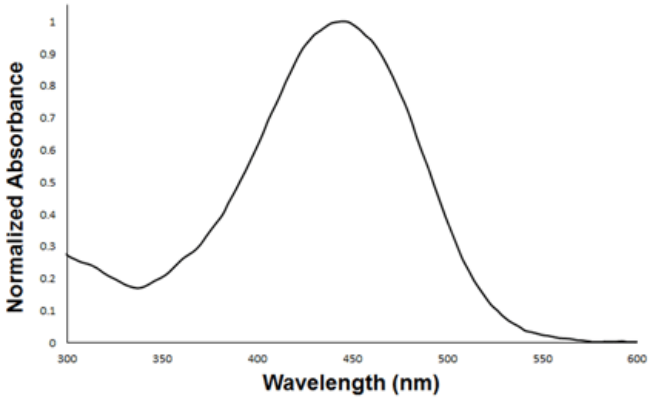
ENZ-CHM208-0001	1mg

Manuals, SDS & CofA

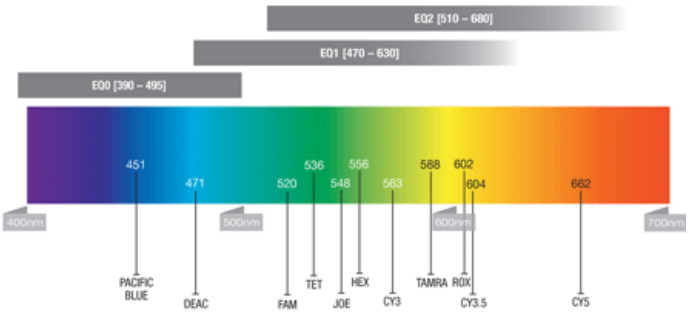
View Online »

- Commonly used in molecular biology FRET applications to quench fluorophores
- NHS ester quencher dye can be conjugated to amine-labeled probes
- Enable multiplexing of probes with the use of different reporter-quencher dye pairs
- Compatible with most common commercially available fluorophores





Normalized absorbance of EQ dyes showing their range of quenching through FRET.





Handling & Storage

Use/Stability	As indicated on product label or CoA when stored as recommended. Store, as supplied, at -20°C for up to 1 year. Store solutions at -20°C for up to 3 months.
Handling	Protect from moisture. Protect from light.
Long Term Storage	-20°C
Shipping	Dry Ice

Regulatory Status

RUO - Research Use Only

Product Details

Appearance	Red brown solid.
Application	Fluorescent detection, FRET
Correction Factor (260nm)	0.48
Correction Factor (280nm)	0.42
Emission Maximum	none
Excitation Maximum	445 nm
Extinction Coefficient	23,600 M-1cm-1
MW	439.5
Purity	≥80% (HPLC)
Solubility	Soluble in DMSO or DMF.

Last modified: May 29, 2024

ENZO LIFE SCIENCES, INC.
Phone: 800.942.0430
info-usa@enzolifesciences.com

European Sales Office
ENZO LIFE SCIENCES (ELS) AG
Phone: +41 61 926 8989
info-eu@enzolifesciences.com

Belgium, The Netherlands & Luxembourg
Phone: +32 3 466 0420
info-be@enzolifesciences.com

France
Phone: +33 472 440 655
info-fr@enzolifesciences.com

Germany
Phone: +49 7621 5500 526
info-de@enzolifesciences.com

UK & Ireland
Phone (UK customers): 0845 601 1488
Phone: +44 1392 825900
info-uk@enzolifesciences.com

For local distributors and detailed product information visit us online: enzo.com All product names, logos, and brands are the property of their respective owners.