

Product Data Sheet



UGEclipse NHS ester [equivalent to Eclipse NHS ester]

Catalog ID: 170101

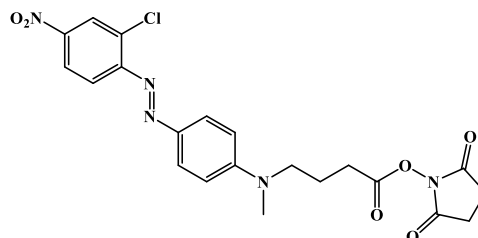
Revised: 2025-01-31

Description

The UGEclipse molecule is highly stable and can be used safely in all common oligo deprotection schemes. The absorbance maximum for UGEclipse Quencher is at 522 nm, compared to 479 nm for dabcyI. In addition, the structure of the Eclipse Quencher is substantially more electron deficient than that of dabcyI and this leads to better quenching over a wider range of dyes, especially those with emission maxima at longer wavelengths (red shifted) such as Redmond Red and Cyanine 5. In addition, with an absorption range from 390 nm to 625 nm, the UGEclipse Quencher is capable of effective performance in a wide range of colored FRET probes.

Chemical Properties

CAS number	NA
Formula	$C_{21}H_{20}ClN_5O_6$
Molecular Weight	473.87
HPLC Purity	≥95%



Storage

Upon receipt, store at -20°C in the dark. Protect from light and moisture. When stored as indicated, UGEclipse NHS ester is stable for at least 1 year.

This product is for Research Use Only. Not for Human or Veterinary or Therapeutic Use

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