

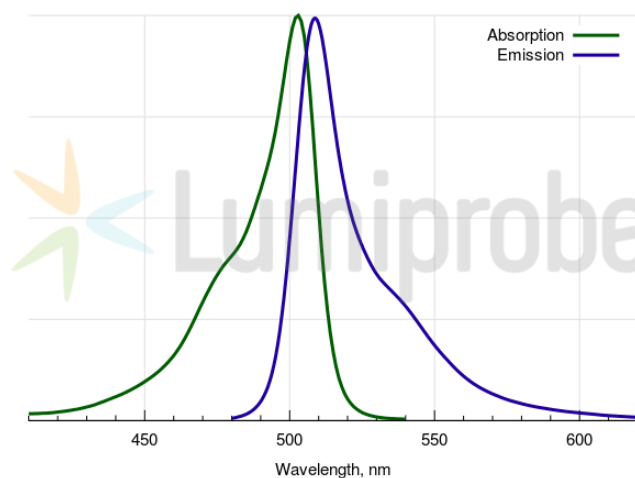
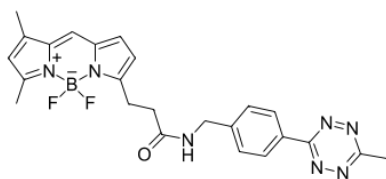
BDP FL tetrazine

<http://cn.lumiprobe.com/p/bdp-fl-tetrazine>

Inverse electron demand Diels-Alder reaction (IEDDA) with tetrazines is a promising tool for the conjugation of biomolecules. The reaction takes place between tetrazine as an electron acceptor heterodiene, and a strained dienophile, such as trans-cyclooctene, cyclopropene, or some cyclooctynes.

Methyltetrazine provides greater stability in buffers than unsubstituted tetrazine. The rate of its reaction with cycloalkenes still beats almost all other conjugation reaction rates by a factor of magnitudes.

BDP FL is a bright dye for fluorescein (FAM) channel. Using BDP FL tetrazine, the dye can be conjugated with molecules bearing strained olefins.



外观:

质谱 447.2

M+

增量:

分子 475.3

量:

CAS 2042193-77-9

编号:

分子 C₂₄H₂₄N₇BF₂O

式:

溶解

度:

质量

控制:

储存

条件:

法律 本产品仅供研究目的提供和销售。 本产品并未经过食品、药品、医疗器械、化妆品等领域的安全性和效力测试, 且未经明示或暗示授权用于其他任何用途, 包括但不限于体外诊断、人类或动物用途, 以及商业用途。

激发/ 503

吸收

极大

值,

纳米:

ε, 摩

尔吸

光系

数 ϵ

发射 509

极大

值,

纳米:

荧光 0.97

量子

产率:

CF₂₆₀: 0.015

CF₂₈₀: 0.027