

Lumiprobe Corporation

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USA

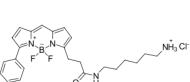
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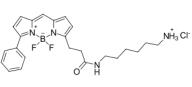
BDP® R6G amine

http://www.lumiprobe.com/p/bdp-r6g-amine

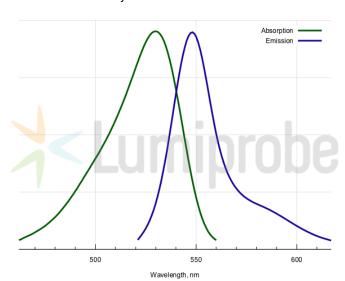
BDP R6G is a borondipyrromethene dye matching Rhodamine 6G (R6G) channel. This derivative of the fluorophore contains aliphatic amine group in salt form.

The amine group can be conjugated with electrophiles. Amines can also used in enzymatic transamination.





Structure of BDP R6G amine



Absorption and emission spectra of BDP R6G

General properties

Appearance: orange to brown solid

Molecular weight: 474.78

CAS number: 2183473-06-3 (hydrochloride), 2183473-05-2

Molecular formula: C24H30N4BCIF2O

Solubility: good in DMF, DMSO, alcohols Quality control: NMR ¹H, HPLC-MS (95%)

Legal statement: This Product is offered and sold for research purposes only. It has not been tested for

safety and efficacy in food, drug, medical device, cosmetic, commercial or any other use. Supply does not express or imply authorization to use for any other purpose, including, without limitation, in vitro diagnostic purposes, in the manufacture of food

or pharmaceutical products, in medical devices or in cosmetic products.

Spectral properties

Excitation/absorption maximum, nm: 530 Emission maximum, nm: 548 Fluorescence quantum yield: 0.96 CF₂₆₀: 0.17 CF₂₈₀: 0.18

BDP® is a trademark of Lumiprobe