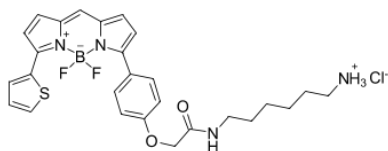
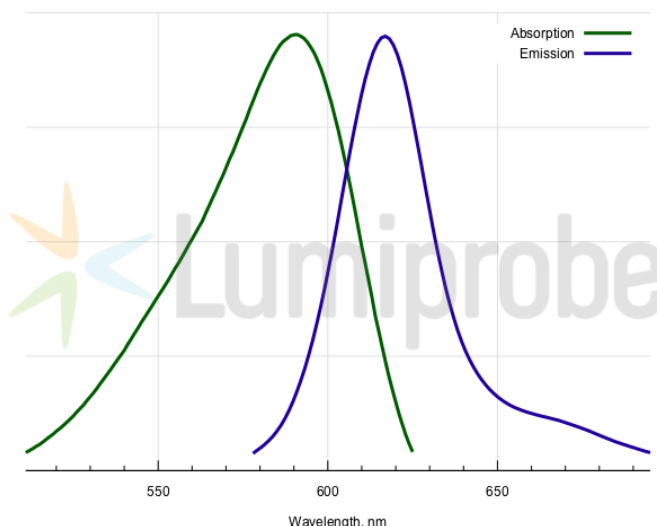


BDP TR amine

BDP TR is a bright borondipyrromethene dye for ROX channel. Unlike ROX, it is very stable to oxidation. This amine derivative is useful for the conjugation with electrophilic reagents like epoxides and activated carboxyl derivatives, and as well for enzymatic transamination reaction.



Structure of BODIPY TR amine



Absorption and emission spectra of BDP TR

General properties

Appearance:	dark colored solid
Molecular weight:	558.88
CAS number:	2183473-18-7
Molecular formula:	C ₂₇ H ₃₀ N ₄ BClF ₂ O ₂ S
Solubility:	good in DCM, DMSO, DMF
Quality control:	NMR ¹ H, HPLC-MS (95%)
Storage conditions:	Storage: 24 months after receipt at -20°C in the dark. Transportation: at room temperature for up to 3 weeks. Avoid prolonged exposure to light. Desiccate.
TN VED Code:	3204190000

Spectral properties

Excitation maximum, nm:	589
ε, L·mol ⁻¹ ·cm ⁻¹ :	60000
Emission maximum, nm:	616
Fluorescence quantum yield:	0.9
CF ₂₆₀ :	0.15
CF ₂₈₀ :	0.19