

5(6)-Carboxyrhodamine 6G ethylenediamine

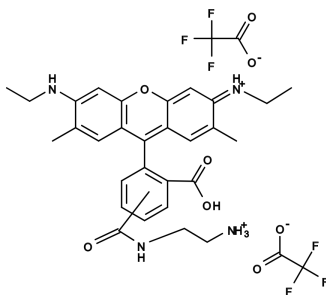
Catalog number: 344
Unit size: 1 mg

Product Details

Storage Conditions	Freeze ($-15\text{ }^{\circ}\text{C}$), Minimize light exposure
Expiration Date	12 months upon receiving

Chemical Properties

Appearance	Solid
Molecular Weight	728.63
Soluble In	DMSO
Chemical Structure	



Spectral Properties

Excitation Wavelength	522 nm
Emission Wavelength	546 nm

Applications

5(6)-Carboxyrhodamine 6G ethylenediamine is a building block for developing rhodamine bioconjugates. In general, rhodamine 6G conjugates have higher fluorescence quantum yields than tetramethylrhodamine conjugates, as well as good photostability. The excitation and emission wavelengths of rhodamine 6G fall between those of fluorescein and tetramethylrhodamine derivatives, making 5(6)-CR6G another color choice for the multicolor fluorescence imaging applications. 5(6)-CR6G is the mixture of two carboxy rhodamine 6G isomers.