

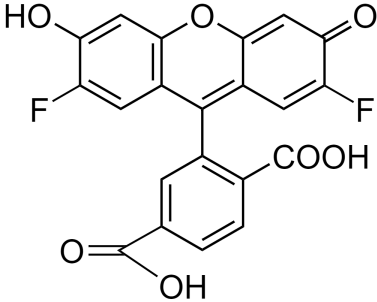
**6-OG488 acid [equivalent to Oregon Green®  
488 carboxylic acid, 6-isomer]**

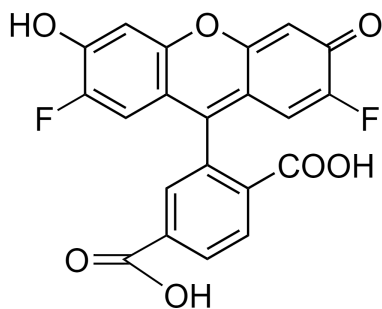
 Catalog number: 712  
 Unit size: 25 mg

**Product Details**

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

**Chemical Properties**

Appearance	Yellow solid
Molecular Weight	412.30
Soluble In	DMSO
Chemical Structure	


**Spectral Properties**

Excitation Wavelength	498 nm
Emission Wavelength	526 nm

**Applications**

6-OG488 acid is the same molecule to Oregon Green® 488 carboxylic acid, 6-isomer (Oregon Green® is the Trademark of Invitrogen). This fluorinated analog of fluorescein has higher photostability and a lower pKa ~ 4.7 while 6-FAM has pKa ~6.4. The decreased pKa of 6-OG488 makes its fluorescence essentially pH insensitive in the physiological pH range. This amine-reactive 6-OG488 can be used to make bright green fluorescent bioconjugates with excitation/emission maxima ~496/524 nm. It is an excellent replacement to 6-FITC that has severe pH dependence and low photostability.