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**Product Data Sheet**

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Product Name: Ocean Blue, SE

Cat. No.: GC50473

**Chemical Properties**

Cas. No. 215868-33-0

SMILES OC1=C(C=C2C=C(C(OC2=C1F)=O)C(ON3C(CCC3=O)=O)=O)FFormula  $C_{14}H_7F_2NO_7$  M.Wt 339.2

Solubility Soluble in DMSO Storage Store at -20°C

General tips For obtaining a higher solubility, please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT, or blue ice upon request.

Structure **Background**

Blue fluorescent dye. Conjugates of this dye are strongly fluorescent even at neutral pH. Excitation maximum = 405 nm; emission maximum = 455 nm; extinction coefficient = 36000 M<sup>-1</sup>cm<sup>-1</sup>; correction factor A<sub>280</sub> = 0.15.

Sun et al (1998) Synthesis of novel fluorinated coumarins: excellent UV-light excitable fluorescent dyes. *Bioorg.Med.Chem.Lett.* 8 3107 PMID:9873685 | Brandtzaeg et al (1998) The increasing power of immunohistochemistry and immunocytochemistry. *J.Immunol.Methods* 216 49 PMID:9760215 | Haugland et al (2001) Antibody conjugates for cell biology. *Curr.Protoc.Cell Biol.* PMID:18228336 | Cox et al (2004) Fluorescent DNA hybridization probe preparation using amine modification and reactive dye coupling. *Biotechniques* 36 114 PMID:14740493

**Caution: Product has not been fully validated for medical applications. For research use only.**

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