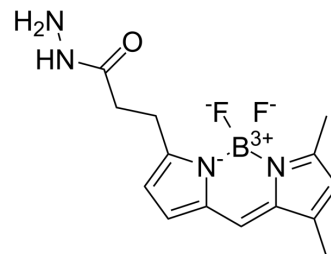


## BODIPY FL hydrazide

<b>Cat. No.:</b>	HY-114351
<b>CAS No.:</b>	178388-71-1
<b>Molecular Formula:</b>	C <sub>14</sub> H <sub>17</sub> BF <sub>2</sub> N <sub>4</sub> O
<b>Molecular Weight:</b>	306.12
<b>Target:</b>	Fluorescent Dye
<b>Pathway:</b>	Others
<b>Storage:</b>	4°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



### SOLVENT & SOLUBILITY

#### In Vitro

DMSO : 125 mg/mL (408.34 mM; Need ultrasonic)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	3.2667 mL	16.3335 mL	32.6669 mL
	5 mM	0.6533 mL	3.2667 mL	6.5334 mL
	10 mM	0.3267 mL	1.6333 mL	3.2667 mL

Please refer to the solubility information to select the appropriate solvent.

### BIOLOGICAL ACTIVITY

#### Description

BODIPY FL Hydrazide is a green-fluorescent dye, BODIPY FL Hydrazide is reactive with aldehyde/ketone on polysaccharides and glycoproteins, yielding a reversible Schiff base product that can be transformed to a stable linkage using a reducing agent like sodium borohydride or sodium cyanoborohydride. ( $\lambda_{ex}$ =495 nm,  $\lambda_{em}$ =516 nm)<sup>[1][2]</sup>.

### REFERENCES

- [1]. Katayama M, et, al. Determination of progesterone and 17-hydroxyprogesterone by high performance liquid chromatography after pre-column derivatization with 4,4-difluoro-5,7-dimethyl-4-bora-3a,4a-diaza-s-indacene-3-propionohydra zide. *Analyst*. 1998 Nov;123(11):2339-42.
- [2]. Skidmore M, et, al. Labelling heparan sulphate saccharides with chromophore, fluorescence and mass tags for HPLC and MS separations. *Methods Mol Biol*. 2009;534:157-69.

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

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