



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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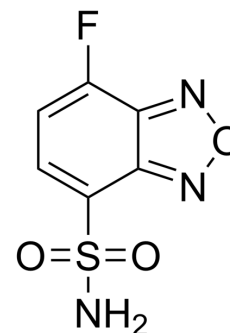
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## 4-(Aminosulfonyl)-7-fluoro-2,1,3-benzoxadiazole

Cat. No.:	HY-D0102
CAS No.:	91366-65-3
Molecular Formula:	C <sub>6</sub> H <sub>4</sub> FN <sub>3</sub> O <sub>3</sub> S
Molecular Weight:	217.18
Target:	Fluorescent Dye
Pathway:	Others
Storage:	-20°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 (575.56 mM; Need ultrasonic)				
		Solvent Concentration	Mass 1 mg	5 mg	10 mg
	Preparing Stock Solutions	1 mM	4.6045 mL	23.0224 mL	46.0448 mL
		5 mM	0.9209 mL	4.6045 mL	9.2090 mL
		10 mM	0.4604 mL	2.3022 mL	4.6045 mL
Please refer to the solubility information to select the appropriate solvent.					
In Vivo	1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 2.08 mg/mL (9.58 mM); Clear solution				
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.08 mg/mL (9.58 mM); Clear solution				

### BIOLOGICAL ACTIVITY

Description	4-(Aminosulfonyl)-7-fluoro-2,1,3-benzoxadiazole (ABD-F) is a fluorescent reagent for the sensitive and specific detection of thiols. 4-(Aminosulfonyl)-7-fluoro-2,1,3-benzoxadiazole has low fluorescence background, and good stability of fluorophore [1].
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### REFERENCES

[1]. Toyooka T, et al. New fluorogenic reagent having halogenobenzofurazan structure for thiols: 4-(aminosulfonyl)-7-fluoro-2, 1, 3-benzoxadiazole. Analytical chemistry, 1984, 56(13): 2461-2464.

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

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