



# 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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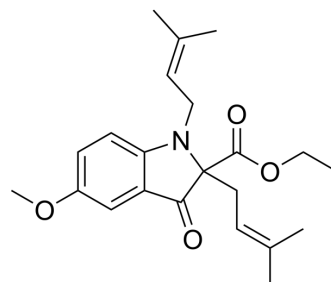
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## LipidGreen 2

<b>Cat. No.:</b>	HY-D1353
<b>CAS No.:</b>	1382764-52-4
<b>Molecular Formula:</b>	C <sub>22</sub> H <sub>29</sub> NO <sub>4</sub>
<b>Molecular Weight:</b>	371.47
<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

<b>In Vitro</b>	DMSO : 100 mg/mL (269.20 mM; Need ultrasonic)					
	H <sub>2</sub> O : < 0.1 mg/mL (ultrasonic;warming;heat to 60°C) (insoluble)					
	<b>Preparing Stock Solutions</b>	<b>Solvent</b>	<b>Mass</b>	<b>1 mg</b>	<b>5 mg</b>	<b>10 mg</b>
		<b>Concentration</b>				
		<b>1 mM</b>		2.6920 mL	13.4600 mL	26.9201 mL
<b>5 mM</b>			0.5384 mL	2.6920 mL	5.3840 mL	
<b>10 mM</b>		0.2692 mL	1.3460 mL	2.6920 mL		
Please refer to the solubility information to select the appropriate solvent.						
<b>In Vivo</b>	1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 2.5 mg/mL (6.73 mM); Clear solution					
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: 2.5 mg/mL (6.73 mM); Suspended solution; Need ultrasonic					
	3. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (6.73 mM); Clear solution					

### BIOLOGICAL ACTIVITY

<b>Description</b>	LipidGreen 2 is a second generation small molecule probe for lipid imaging. LipidGreen 2 has a better fluorescence signal compared with the previous LipidGreen, and selectively stains neutral lipids in cells and fat deposits in live zebrafish <sup>[1]</sup> .
<b>In Vitro</b>	LipidGreen 2 (10 mM) stains the surface of a spherical intracellular structure in undifferentiated 3T3-L1 cells that are differentiated by treatment with IBMX, dexamethasone and insulin <sup>[1]</sup> . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

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## REFERENCES

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[1]. Hang-Suk Chun, et al. Synthesis of LipidGreen2 and its application in lipid and fatty liver imaging. Mol Biosyst. 2013 Apr 5;9(4):630-3.

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

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