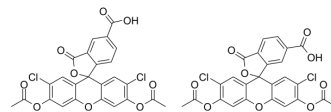


## 5(6)-Carboxy-2',7'-dichlorofluorescein diacetate

Cat. No.:	HY-D1078		
CAS No.:	127770-45-0		
Molecular Formula:	C <sub>25</sub> H <sub>14</sub> Cl <sub>2</sub> O <sub>9</sub>		
Molecular Weight:	529.28		
Target:	Reactive Oxygen Species		
Pathway:	Immunology/Inflammation; Metabolic Enzyme/Protease; NF-κB		
Storage:	Powder	-20°C	3 years
	In solvent	-80°C	6 months
		-20°C	1 month



### BIOLOGICAL ACTIVITY

#### Description

5(6)-Carboxy-2',7'-dichlorofluorescein diacetate is a cell permeant fluorescent indicator. 5(6)-Carboxy-2',7'-dichlorofluorescein diacetate can be used to assess reactive oxygen species (ROS) generation within human neuronal-glia (HNG) cells in primary co-culture<sup>[1]</sup>

### REFERENCES

[1]. Pogue AI, et al. Metal-sulfate induced generation of ROS in human brain cells: detection using an isomeric mixture of 5- and 6-carboxy-2',7'-dichlorofluorescein diacetate (carboxy-DCFDA) as a cell permeant tracer. *Int J Mol Sci.* 2012;13(8):9615-26.

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

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