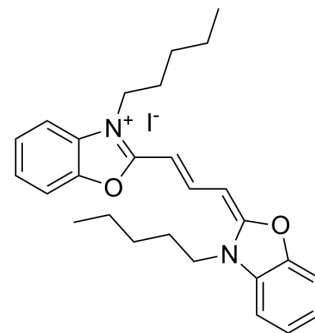


## DiOC5(3)

|                    |   |
|--------------------|---|
| Cat. No.:          | HY-D1072  |
| CAS No.:           | 53213-81-3  |
| Molecular Formula: | C <sub>27</sub> H <sub>33</sub> N <sub>2</sub> O <sub>2</sub>                             |
| Molecular Weight:  | 544.47  |
| Target:            | Fluorescent Dye   |
| Pathway:           | Others  |
| Storage:           | Please store the product under the recommended conditions in the Certificate of Analysis. |



## BIOLOGICAL ACTIVITY

### Description

DiOC5(3) is the membrane potential (MP)-modifying fluorochrome. DiOC5(3) is an anti-LSC compound available for diagnostic imaging. DiOC5(3) has the advantage of being a single fluorescent chemical<sup>[1][2]</sup>.

## REFERENCES

- [1]. Zhang B, et al. In vivo selective imaging and inhibition of leukemia stem-like cells using the fluorescent carbocyanine derivative, DiOC5(3). *Biomaterials*. 2015;52:14-25.
- [2]. Crissman HA, et al. Supravital cell staining with Hoechst 33342 and DiOC5(3). *Methods Cell Biol.* 1990;33:89-95.

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

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