

---

**Product Data Sheet**

---

Product Name: DiOC5(3)

Cat. No.: GC67498

**Chemical Properties**

Cas. No. 53213-81-3

Formula  $C_{27}H_{33}N_2O_2$  M.Wt 544.47

Solubility Storage Store at -20°C

General tips For obtaining a higher solubility, please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT, or blue ice upon request.

Structure **Background**

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>.

[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.**

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA