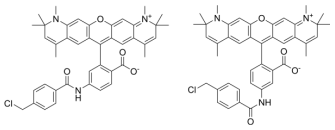
CellTracker Red CMTPX

Cat. No.:	HY-D1727
Molecular Formula:	$C_{42}H_{40}ClN_3O_4$
Molecular Weight:	686.24
Target:	Fluorescent Dye
Pathway:	Others
Storage:	-20°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



BIOLOGICAL ACTIVITY

Description	CellTracker Red CMTPX is a cell-permeable fluorescent dye that can be used as a cell tracer for monitoring cell movement and location (Ex/Em=586/614 nm)[1].
In Vitro	Guidelines (Following is our recommended protocol. This protocol only provides a guideline, and should be modified according to your specific needs). Fixation and staining of self-assembled spheroids[1]: 1. Resuspended cells are stained with CellTracker Red CMTPX and allowed to self-assemble into spheroids before aggregation. 2. Cell aggregates are fixed in 4% paraformaldehyde/PBS for 30 min with gentle inversion, then washing cells in PBS for 3 times and stained with 100 ng/mL Hoechst dye overnight prior to imaging. MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Van Pel DM, et al. Modelling glioma invasion using 3D bioprinting and scaffold-free 3D culture. J Cell Commun Signal. 2018 Dec;12(4):723-730.

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