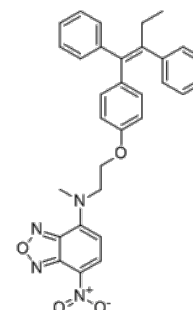


Product Name : FLTX1
Cat. No. : PC-38520
CAS No. : 1481401-71-1
Molecular Formula : C₃₁H₂₈N₄O₄
Molecular Weight : 520.58
Target : Fluorescent Dye
Solubility : 10 mM in DMSO



Biological Activity

FLTX1 is a fluorescent tamoxifen derivative, colocalizes with estrogen receptor α (**ER α**), can specifically label intracellular Tamoxifen-binding sites (estrogen receptors).

FLTX1 exhibits similar affinity for ER than tamoxifen.

FLTX1 exhibited antiestrogenic activity comparable to tamoxifen in MCF7 and T47D cells transfected with 3xERE-luciferase reporter.

FLTX1 lacked the strong agonistic effect of tamoxifen on ER α -dependent transcriptional activity.

FLTX1 is not only a suitable probe for studies on the molecular pharmacology of tamoxifen, but also a potential therapeutic substitute to tamoxifen.

References

Marrero-Alonso J, et al. *Eur J Pharm Biopharm.* 2013 Nov;85(3 Pt B):898-910.

Morales A, et al. *Methods Mol Biol.* 2016;1366:163-173.

Caution: Product has not been fully validated for medical applications. Lab Use Only!

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