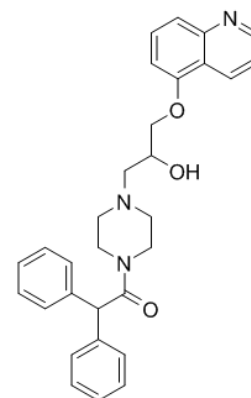


Product Name : Dofequidar
Cat. No. : PC-45136
CAS No. : 129716-58-1
Molecular Formula : C₃₀H₃₁N₃O₃
Molecular Weight : 481.5854
Target : P-glycoprotein (P-gp)
Solubility : 10 mM in DMSO



Biological Activity

A novel, orally active quinoline compound that can reverse P-glycoprotein (P-gp)-mediated MDR; completely reverses resistance against vincristine in vitro in multidrug-resistant variants of mouse leukemia P388 cells and human leukemia K562 cells at 1-10 uM; greatly reduces the SP-derived tumor growth in vivo combined with CPT-11.

Breast cancer

Phase 2 Discontinued

References

Nakanishi O, et al. *Oncol Res.* 1997;9(2):61-9.

Sato W, et al. *Cancer Chemother Pharmacol.* 1995;35(4):271-7.

Katayama R, et al. *Cancer Sci.* 2009 Nov;100(11):2060-8.

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

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