Product Name: Siramesine
CAS No.: 147817-50-3
Cat. No.: HY-14221
MWt: 454.58
Formula: C30H31FN2O
Purity: >98%
Solubility: DMSO

Mechanisms:
Pathways: GPCR/G protein; Target: Sigma Receptor

Biological Activity:
Siramesine, a sigma-2 receptor agonist, has been shown to trigger cell death of cancer cells and exhibit potent anticancer activity in vivo.
IC50 value:
Target: sigma-2 receptor; lysosome-destabilizing agent.
Siramesine can induce rapid cell death in a number of cell lines at concentrations above 20 μM. In HaCaT cells, cell death was accompanied by caspase activation, rapid loss of mitochondrial membrane potential (MMP), cytochrome c release, cardiolipin peroxidation, and typical apoptotic morphology, whereas in U-87MG cells most apoptotic hallmarks were not notable, although MMP was rapidly lost [1]. Siramesine, a sigma-2 receptor agonist developed as an anti-depressant, can induce cell death in transformed cells through a mechanism involving lysosomal destabilization [2].

In vivo: SA4503 or siramesine given jointly with MEM (as well as with...

References:

Caution: Not fully tested. For research purposes only
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