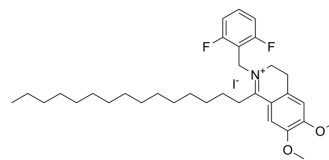


Cadein1

Cat. No.:	HY-131143
Molecular Formula:	C ₃₃ H ₄₈ F ₂ INO ₂
Molecular Weight:	655.64
Target:	Apoptosis
Pathway:	Apoptosis
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Cadein1, an isoquinolinium derivative, leads to a G2/M delay and caspase-dependent apoptosis in cancer cells with non-functional p53 ^[1] .
In Vitro	Cadein1 may be a potent anti-cancer agent against human cancers, specifically p53-deficient cancers with functional MMR ^[1] . Cadein1 activates p38 in p53-defective cancer cells with functional MMR to induce cell death. Cadein1 (4 μM) induces p38 phosphorylation in a time-dependent manner in HeLa and HCT116-Ch3/E6 cells ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Eun Ryoung Jang, et al. A new isoquinolinium derivative, Cadein1, preferentially induces apoptosis in p53-defective cancer cells with functional mismatch repair via a p38-dependent pathway. *J Biol Chem.* 2010 Jan 29;285(5):2986-95.

Caution: Product has not been fully validated for medical applications. For research use only.

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