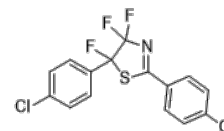


Product Name : Fluorizoline
Cat. No. : PC-27300
CAS No. : 1362243-70-6
Molecular Formula : C₁₅H₈Cl₂F₃NS
Molecular Weight : 362.19
Target : Other Targets
Solubility : 10 mM in DMSO



Biological Activity

Fluorizoline is a synthetic molecule that induces apoptosis by selectively targeting prohibitins, directly binds to prohibitin 1 and 2 (PHB1 and PHB2).

Fluorizoline induces the mitochondrial apoptotic pathway through NOXA and BIM upregulation.

Fluorizoline induces mitochondrial fragmentation and cristae disorganization. Fluorizoline increases the production of reactive oxygen species independently of PHBs and apoptosis induction.

Fluorizoline induces the mitochondrial apoptotic pathway in a BAX/BAK-dependent manner.

Fluorizoline modulates the expression of BCL-2 family members by targeting PHBs in MEFs.

Fluorizoline changes mRNA and protein levels of various BCL-2 family members in HeLa cells.

References

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

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