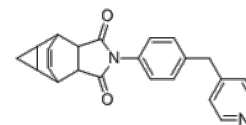


Product Name : DCZ0415
Cat. No. : PC-38128
CAS No. : 2242470-43-3
Molecular Formula : C₂₃H₂₀N₂O₂
Molecular Weight : 356.425
Target : Thyroid Hormone Receptor (THR)
Solubility : 10 mM in DMSO



Biological Activity

DCZ0415 (DCZ-0415) is a small-molecule inhibitor targeting thyroid hormone receptor interacting protein 13 (**TRIP13**) with K_d of 2.42 μM in SPR assay.

DCZ0415 inhibits the proliferation of multiple myeloma cell lines and induces apoptosis.

Using CCK-8 assay, the IC₅₀ value of DCZ0415 was 1.0-10 μmol/L calculated by CalcuSyn in multiple myeloma cell lines.

DCZ0415 impaired DNA repair and inhibited NF-κB activity in multiple myeloma cells.

DCZ0415 in combination with melphalan or panobinostat functions synergistically to exert cytotoxicity. DCZ0415 demonstrates antitumorigenic effects in a xenograft model of multiple myeloma.

References

Yingcong Wang, et al. *Cancer Res.* 2020 Feb 1;80(3):536-548.

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

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