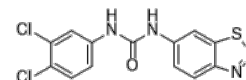


Product Name : BTdCPU
Cat. No. : PC-26552
CAS No. : 1257423-87-2
Molecular Formula : C₁₃H₈Cl₂N₄OS
Molecular Weight : 339.19
Target : Other Targets
Solubility : 10 mM in DMSO



Biological Activity

BTdCPU is a potent activator of heme-regulated inhibitor (HRI) eIF2 α kinase that promotes eIF2 α phosphorylation and induces apoptosis in Dexamethasone-resistant cancer cells.

BTdCPU treatment induced phosphorylation of eIF2 α and upregulated mRNA and protein levels of the pro-apoptotic protein CHOP in Dex-resistant (MM1.R, RPMI 8266, U266) MM cells.

BTdCPU is cytotoxic for dex-resistant primary MM cells with relative sparing of normal cells.

BTdCPU triggers MCL-1 repression and synergizes with BH3-mimetics in mouse and human leukemia including both Ph+ and Ph-like B-ALL.

References

Smith KH, et al. Mol Cancer Res. 2021 Apr;19(4):636-650.

Burwick N, et al. Leuk Res. 2017 Apr;55:23-32.

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

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