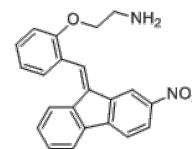


Product Name : CYD-2-11
Cat. No. : PC-60924
CAS No. : 1425944-22-4
Molecular Formula : C₂₂H₁₈N₂O₃
Molecular Weight : 358.397
Target : Bcl-2
Solubility : 10 mM in DMSO



Biological Activity

CYD-2-11 is a novel potent, selective **Bax agonist** that targets the structural pocket proximal to S184 in the C-terminal region of Bax (K_i=34.1 nM).

CYD-2-11 shows no affinity for other Bcl-2 family members.

CYD-2-11 directly activates Bax proapoptotic activity by inducing a conformational change enabling formation of Bax homooligomers in mitochondrial membranes.

CYD-2-11 suppresses malignant growth without evident significant toxicity to normal tissues in mutant KRAS-driven lung cancer models.

CYD-2-11 displays strong synergistic activity and overcomes rapalog resistance combined with RAD001.

References

Li R, et al. **Cancer Res.** 2017 Jun 1;77(11):3001-3012.

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

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