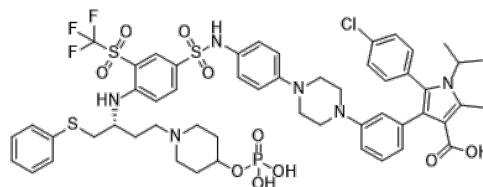


Product Name : Foselutoclax
Cat. No. : PC-24442
CAS No. : 2271269-01-1
Molecular Formula : C₅₃H₅₉ClF₃N₆O₁₀PS₃
Molecular Weight : 1159.69
Target : Bcl-2
Solubility : 10 mM in DMSO



CAS: 2271269-01-1

Biological Activity

Foselutoclax (UBX1325) is a senolytic small-molecule inhibitor of BCL-xL.

UBX1325 is a phosphate pro-drug with improved aqueous solubility that releases the active parent molecule UBX0601. UBX0601 prevented the formation of the antiapoptotic protein complexes through binding of BCL-xL and BCL-2 in biochemical competition binding assays with pK_i of 8.6.

UBX0601 demonstrated potent target engagement (TE) through inhibition of the BCL-xL and BIM interaction.

UBX1325 is a potent anti-aging agent that can be used in studies of age-related eye diseases such as diabetic macular oedema (DME), age-related macular degeneration (AMD) and diabetic retinopathy (DR).

References

Crespo-Garcia S, et al. Nat Med. 2024 Feb;30(2):443-454.

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

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