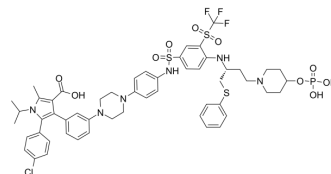


## UBX1325

Cat. No.:	HY-150069
CAS No.:	2271269-01-1
Molecular Formula:	C <sub>53</sub> H <sub>59</sub> ClF <sub>3</sub> N <sub>6</sub> O <sub>10</sub> PS <sub>3</sub>
Molecular Weight:	1159.69
Target:	Bcl-2 Family; Apoptosis
Pathway:	Apoptosis
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

<b>Description</b>	UBX1325 is an Bcl-xL inhibitor that promotes apoptosis in senescent cells. 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) <sup>[1]</sup> .
<b>In Vitro</b>	UBX1325 leads to a decrease in the anti-apoptotic Bcl-xL:Bim complex in retina by intravitreal (IVT) injection administration in oxygen induced retinopathy (OIR) C57BL/6 mice model <sup>[1]</sup> . UBX1325 can cause a decrease in retinal vascular permeability and promote retinal neovascularization in streptozotocin (STZ)-induced retinopathy mice model <sup>[1]</sup> . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

### REFERENCES

[1]. Pamela Tsuruda, et al. UBX1325, a small molecule inhibitor of Bcl-xL, attenuates vascular dysfunction in two animal models of retinopathy. Investigative Ophthalmology & Visual Science June 2021, Volume 62, Issue 8

**Caution: Product has not been fully validated for medical applications. For research use only.**

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