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Oxurion Announces Preclinical Presentation on THR-149 at KININ2022

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Leuven, BELGIUM, Boston, MA, US – JUNE 7, 2022 – [Oxurion NV](#) (Euronext Brussels: **OXUR**), a clinical stage biopharmaceutical company developing next generation standard of care ophthalmic therapies in patients with retinal disorders including diabetic macular edema, today delivered a preclinical presentation evaluating the pharmacokinetic properties of THR-149 at KININ2022, held in Annecy, France, June 5-8, 2022.

The KININ2022 presentation is available under [Conferences and Events](#) within the [Investors](#) section of the Company's website.

Overview: THR-149, a bicyclic peptide identified by a combination of phage-based selections and directed medicinal chemistry, is a potent and specific inhibitor of plasma kallikrein. In preclinical studies, THR-149 effectively blocked the release of bradykinin in the vitreous and reduced the level of edema and retinal vascular leakage in rodent models.

Results: IVT-PK and IV-PK data were analyzed based on a mono-compartmental pharmacokinetic model, leading to ocular and systemic half-lives of 36 h and 1.1 h, respectively. The model indicates IVT administration of THR-149 reduces the four DME disease hallmarks: retinal vascular leakage, retinal edema, retinal inflammation and reactive gliosis.

THR-149 is being developed as a potential new standard of care for the up to 50% of diabetic macular edema (DME) patients showing suboptimal response to anti-VEGF therapy. Oxurion is currently evaluating THR-149 for the treatment of DME in Part B, the second part of its two-part Phase 2 KALAHARI trial.