



IBUPROFEN DELIVERY FROM LIPO-TOPS®

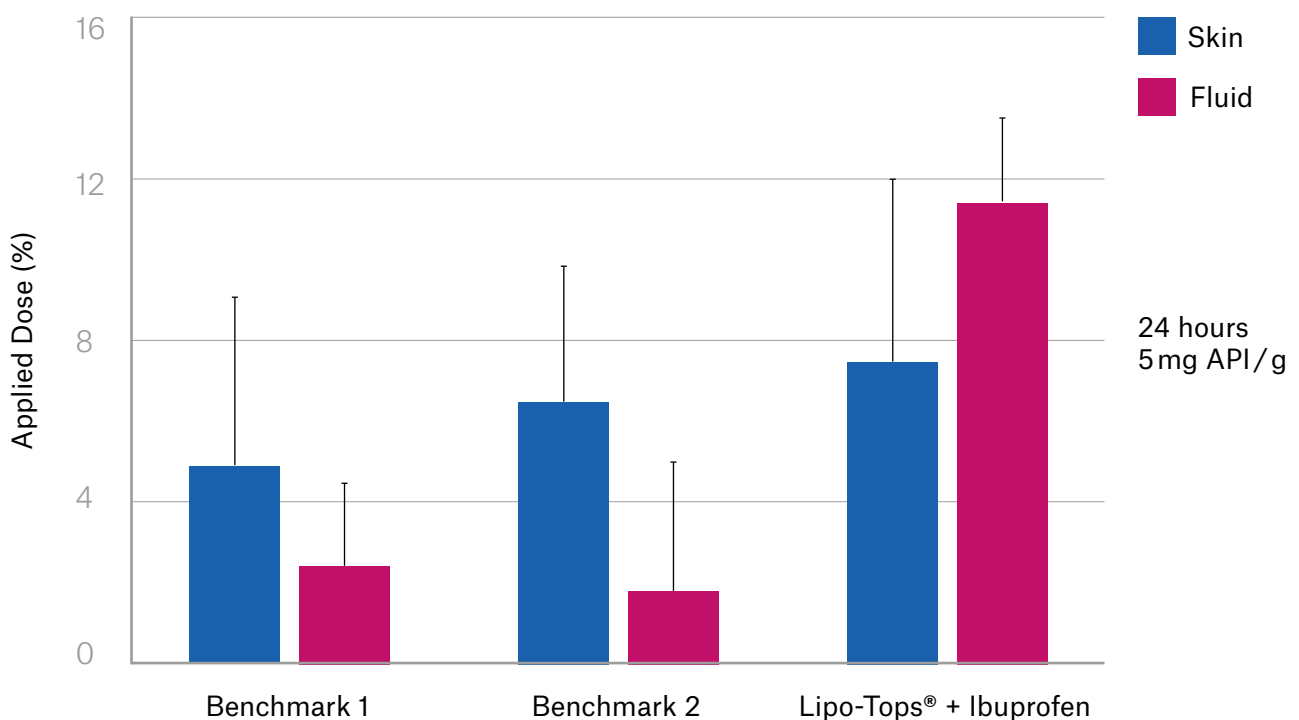
Comparative data on Ibuprofen delivery from IMWITOR® 375 based nanoemulsion vs. two different reference gel formulations

Encapsulation: 0.5% ³ H-Ibuprofen	Time: 24 hours
Application: 10 µl/cm ²	Determination: Radioactivity

Franz diffusion cell testing, cumulative

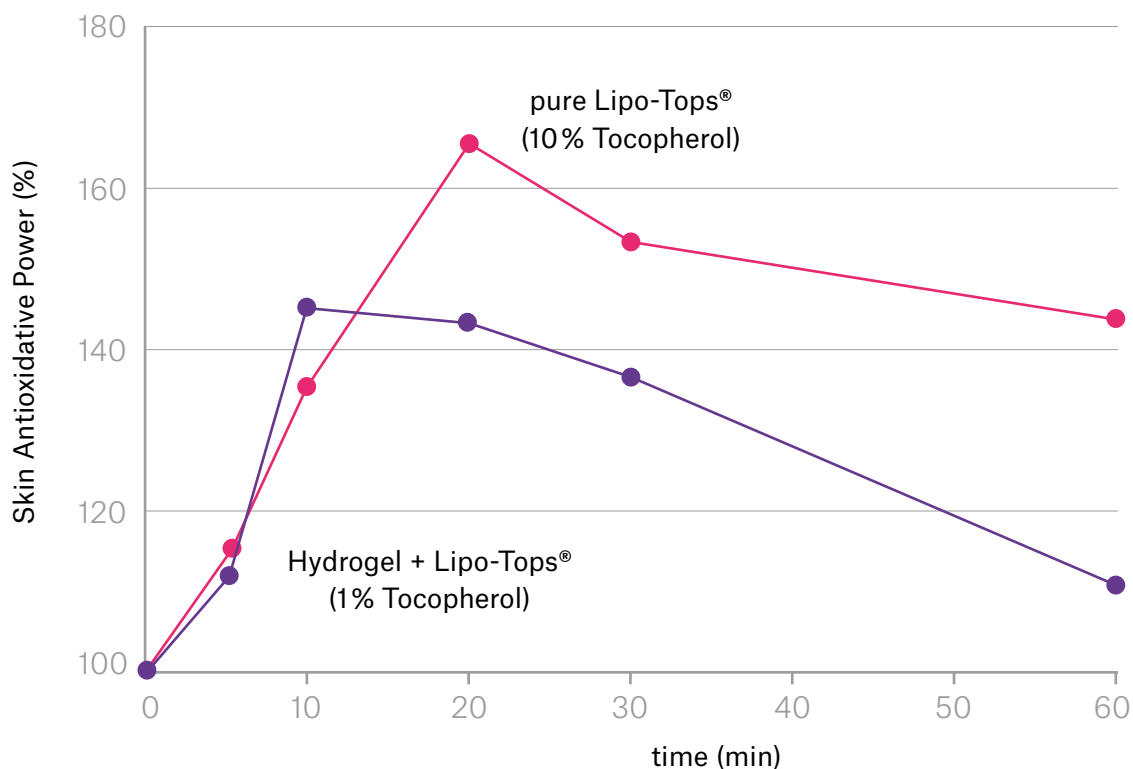
Delivery of Ibuprofen into human skin was tested ex vivo from different formulations. Highly competitive performance towards overcoming stratum corneum. Delivery and distribution of high amount of active into deep skin layers.

O/W Nanoemulsion shows highest delivery into skin and fluid, as well as total delivery of applied dose.



SOLUBILISATION AND DELIVERY OF TOCOPHEROL

- **IMWITOR® 375 based O/W nanoemulsion with 10% of Tocopherol**
- **Incorporation into hydrogel to receive 1% active content**
- **Examination of delivery efficiency via measurement of skin antioxidative power**
- **Lipo-Tops® offer highly efficient solubilisation of Tocopherol**
- **High bioavailability and efficacy of the solubilisation under skin antioxidative power testing**



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