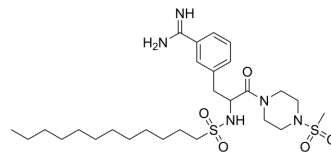


## LRAT-IN-1

Cat. No.:	HY-169085
CAS No.:	2820064-05-7
Molecular Formula:	C <sub>27</sub> H <sub>47</sub> N <sub>5</sub> O <sub>5</sub> S <sub>2</sub>
Molecular Weight:	585.82
Target:	Others
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



## BIOLOGICAL ACTIVITY

### Description

LRAT-IN-1 (compound 1) is a retinol acyltransferase (LRAT) inhibitor ( $IC_{50}=21.1 \mu M$ ). LRAT-IN-1 provides anti-aging effects by inhibiting the esterification of retinol to form retinol esters, increasing the available retinol in the skin. Research on LRAT-IN-1 as an anti-aging ingredient in cosmetics<sup>[1]</sup>.

## REFERENCES

[1]. Imfeld, et al. "Boosting of retinol activity using novel lecithin: Retinol acyltransferase inhibitors." International Journal of Cosmetic Science 46.4 (2024): 544-552.

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

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