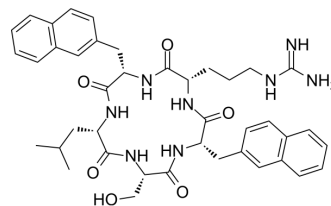


sPLA2-IIA Inhibitor

Cat. No.:	HY-P10053
CAS No.:	236394-37-9
Molecular Formula:	C ₄₁ H ₅₀ N ₈ O ₆
Molecular Weight:	750.89
Sequence:	Cyclo({[Nal]-Leu-Ser-{[Nal]-Arg})
Sequence Shortening:	Cyclo({[Nal]-LS-{[Nal]-R})
Target:	Others
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

sPLA2-IIA Inhibitor is a cyclic pentapeptide analog of FLSYK (cyclic 2-Nal-Leu-Ser-2-Nal-Arg (c2)), that binds to hGIIA (human IIA phospholipase A2) and inhibits its hydrolytic ability. sPLA2 is a member of the esterase superfamily that catalyzes the hydrolysis of the ester bond at the sn-2 position of glycerophospholipids, releasing free fatty acids such as arachidonic acid and lysophospholipids^[1].

REFERENCES

[1]. Kim RR, et al. Molecular dynamics simulations reveal structural insights into inhibitor binding modes and functionality in human Group IIA phospholipase A2. *Proteins*. 2017;85(5):827-842. doi:10.1002/prot.25235

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

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