

## Cobitolimod sodium

Cat. No.:	HY-160040A
CAS No.:	1527479-55-5
Molecular Formula:	$C_{185}H_{215}N_{73}O_{105}P_{18}S_6Na_{18}$
Molecular Weight:	6320.8
Target:	Toll-like Receptor (TLR)
Pathway:	Immunology/Inflammation
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.

## Cobitolimod (sodium)

### BIOLOGICAL ACTIVITY

Description	Cobitolimod sodium is a DNA oligonucleotide agonist of TLR-9 with anti-inflammatory activity. Cobitolimod sodium inhibits Th17 cells and induces anti-inflammatory FoxP3 and IL-10 expression, inhibiting the IL-17 signaling pathway <sup>[1]</sup> .
IC <sub>50</sub> & Target	TLR-9 <sup>[1]</sup>

### REFERENCES

[1]. Schmitt H, Ulmschneider J, Billmeier U, Vieth M, Scarozza P, Sonnewald S, Reid S, Atreya I, Rath T, Zundler S, Langheinrich M, Schüttler J, Hartmann A, Winkler T, Admyre C, Knittel T, Dieterich Johansson C, Zargari A, Neurath MF, Atreya R. The TLR9 Agonist Cobitolimod Induces IL10-Producing Wound Healing Macrophages and Regulatory T Cells in Ulcerative Colitis. *J Crohns Colitis*. 2020 May 21;14(4):508-524.

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

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