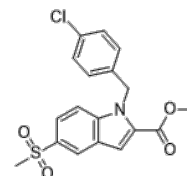


**Product Name** : LM-1685  
**Cat. No.** : PC-26605  
**CAS No.** : 416901-58-1  
**Molecular Formula** : C<sub>18</sub>H<sub>16</sub>ClNO<sub>4</sub>S  
**Molecular Weight** : 377.84  
**Target** : Cyclooxygenase (COX)  
**Solubility** : 10 mM in DMSO



CAS: 416901-58-1

## Biological Activity

LM-1685 is a potent and selective cyclooxygenase-2 (COX-2) inhibitor with IC<sub>50</sub> of 0.65 μM for COX-2 from human monocytes, with limited activity for COX-1.

Combination of Carboxyamido-triazole (CAI) and LM-1685 produces a cytotoxic effect by suppressing proliferation and triggering apoptosis in cancer cells.

LM-1685 also binds to LMO7 (LIM Domain 7) and inhibits OA progression.

## References

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Winters ME, et al. Cancer Res. 2005 May 1;65(9):3853-60.

Collins C, et al. J Cell Mol Med. 2009 Sep;13(9B):3236-50.

Zhang Q, et al. BMC Biol. 2026 Apr 16. doi: 10.1186/s12915-026-02587-7.

**Caution: Product has not been fully validated for medical applications. Lab Use Only!**

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