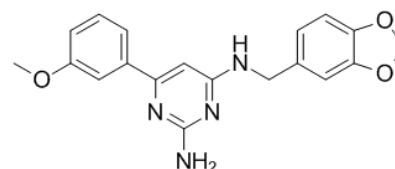


**Product Name** : BML-284  
**Cat. No.** : PC-45774  
**CAS No.** : 853220-52-7  
**Molecular Formula** : C<sub>19</sub>H<sub>18</sub>N<sub>4</sub>O<sub>3</sub>  
**Molecular Weight** : 350.3712  
**Target** : Wnt  
**Solubility** : DMSO: ≥ 30 mg/mL



## Biological Activity

BML-284 (AMBMP) is a potent selective, and cell-permeable canonical **Wnt/β-catenin** pathway activator with EC<sub>50</sub> of 0.7 μM (induces beta-catenin- and TCF-dependent transcriptional activity).

BML-284 induces the rapid phosphorylation of NFκB p65 at Ser536 and abrogates total IκB, accompanied by a subsequent increase in pro-inflammatory cytokine production (TNF, IL-6, IL-12 p40) in otherwise naive monocytes.

AMBMP treatment activates CaMKII and metabolically reprograms skeletal muscle toward a slow muscle phenotype.

## References

- Liu J, et al. *Angew Chem Int Ed Engl.* 2005 Mar 18;44(13):1987-90.
- Denicol AC, et al. *Sci Rep.* 2013;3:1266. doi: 10.1038/srep01266.
- Wang H, et al. *Inflamm Res.* 2016 Jan;65(1):61-9.
- Liu J, et al. *Cell Rep Med.* 2020 Oct 20;1(7):100122.

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

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