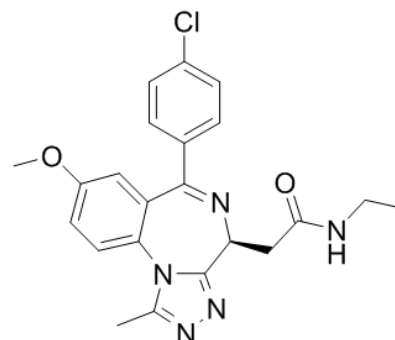


**Product Name** : I-BET762  
**Cat. No.** : PC-43340  
**CAS No.** : 1260907-17-2  
**Molecular Formula** : C<sub>22</sub>H<sub>22</sub>ClN<sub>5</sub>O<sub>2</sub>  
**Molecular Weight** : 423.8954  
**Target** : Bromodomain  
**Solubility** : 10 mM in DMSO



## Biological Activity

I-BET762 (GSK-525762A, Molibresib) is a highly potent, selective inhibitor of **BET family proteins** BRD2, BRD3 and BRD4 with IC<sub>50</sub> of 32.5-42.5 nM, does not interact with other bromodomain-containing proteins (BAZ2B, ATAD2, CREBBP and PCAF).

I-BET762 inhibits binding of BET proteins to acetylated histones, disrupts chromatin complexes responsible for the expression of key inflammatory genes in activated macrophages, suppresses TNF-inducible key proinflammatory cytokine (il1b, il1a) and chemokine genes (ccl5, cxcl10, cxcl2/3) in BMDMs.

I-BET762 inhibits the ability of Th1-differentiated 2D2 T cells to induce neuroinflammation in vivo in mouse model of EAE.

I-BET762 inhibits myeloma cell proliferation both in vitro and myeloma xenograft models.

## References

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

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