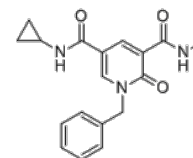


**Product Name** : GSK620  
**Cat. No.** : PC-72179  
**CAS No.** : 2088410-46-0  
**Molecular Formula** : C<sub>18</sub>H<sub>19</sub>N<sub>3</sub>O<sub>3</sub>  
**Molecular Weight** : 325.37  
**Target** : Bromodomain  
**Solubility** : 10 mM in DMSO



## Biological Activity

GSK620 (GSK-620) is a potent, highly selective, BD2 domain-selective BET inhibitor with pIC<sub>50</sub> of 7.1 (**BRD4 BD2**), 220-fold selectivity over BD1.

GSK620 significantly and dose-dependently inhibited both the arthritic score and IgG1 production in response to the immunisation in collagen-induced arthritis model in rats, showed similar level of efficacy to the pan-BET inhibitor I-BET151 and also dramatically reduced joint swelling, synovitis, cartilage damage, pannus formation and bone resorption.

## References

- Gilan O, et al. *Science*. 2020 Apr 24;368(6489):387-394.  
Seal JT, et al. *J Med Chem*. 2020 Sep 10;63(17):9093-9126.  
Aylott HE, et al. *J Med Chem*. 2021 Mar 25;64(6):3249-3281.  
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**Caution: Product has not been fully validated for medical applications. Lab Use Only!**

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