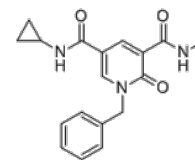


**Product Name** : GSK620  
**Cat. No.** : PC-72179  
**CAS No.** : 2088410-46-0  
**Molecular Formula** : C<sub>18</sub>H<sub>19</sub>N<sub>3</sub>O<sub>3</sub>  
**Molecular Weight** : 325.37  
**Target** : Bromodomain  
**Solubility** : 10 mM in DMSO



### 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.

GSK620 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

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Aylott HE, et al. *J Med Chem*. 2021 Mar 25;64(6):3249-3281.

Rianjongdee F, et al. *J Med Chem*. 2021 Aug 12;64(15):10806-10833.

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

E-mail: tech@probechem.com