

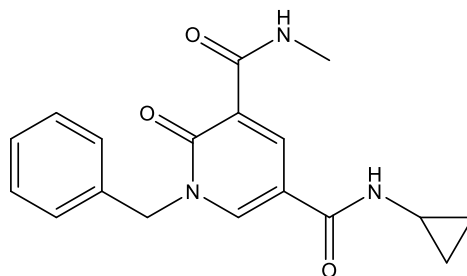
Catalog # 10-4047

GSK620

CAS# 2088410-46-0

1-Benzyl-5-N-cyclopropyl-3-N-methyl-2-oxopyridine-3,5-dicarboxamide

Lot # FBA8190



GSK620 is a BET inhibitor 220-fold more selective for BD2 over BD1 (pIC_{50} BD2 = 7.1; BD1 = 4.8).¹ It ameliorated collagen-induced arthritis in a rat model and imiquimod-induced psoriasis in a mouse model.² GSK620 was also able to reduce hepatic fibrosis, steatosis, and inflammation in a mouse model of non-alcoholic steatohepatitis (NASH).

- 1) Seal *et al.* (2020), *The Optimization of a Novel, Weak Bromo and Extra Terminal Domain (BET) Bromodomain Fragment Ligand to a Potent and Selective Second Bromodomain (BD2) Inhibitor* J. Med. Chem., **63** 9093
- 2) Gilan *et al.* (2020), *Selective targeting of BD1 and BD2 of the BET proteins in cancer and immunoinflammation*; Science, **368** 387

PHYSICAL DATA

| | |
|------------------------|---|
| Molecular Weight: | 325.37 |
| Molecular Formula: | C ₁₈ H ₁₉ N ₃ O ₃ |
| Purity: | >98% by HPLC |
| | NMR: (Conforms) |
| Solubility: | DMSO (25 mg/ml) |
| Physical Description: | White solid |
| Storage and Stability: | Store as supplied desiccated at -20°C for up to 2 years from the date of purchase. Solutions in DMSO may be stored at -20°C for up to 3 months. |

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