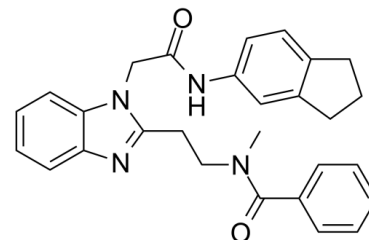


Data Sheet

| | |
|---------------------------|---|
| Product Name: | GSK717 |
| Cat. No.: | CS-0131154 |
| CAS No.: | 1595278-21-9 |
| Molecular Formula: | C ₂₈ H ₂₈ N ₄ O ₂ |
| Molecular Weight: | 452.55 |
| Target: | NOD-like Receptor (NLR) |
| Pathway: | Immunology/Inflammation |
| Solubility: | DMSO : 250 mg/mL (552.43 mM; Need ultrasonic) |



BIOLOGICAL ACTIVITY:

GSK717 is a potent, selective **NOD2** (nucleotide-binding oligomerization domain 2) inhibitor. GSK717 inhibits muramyl dipeptide (MDP)-induced NOD2-mediated signaling, with an **IC₅₀** of 400 nM for MDP-stimulated IL-8 secretion in HEK293/hNOD2 cells^[1]. **In Vitro:** GSK717 blocks synergy between NOD2 and TLR2. GSK717 does not affect NOD1, TNFR1 and TLR2-mediated responses. GSK717 (5 μM) inhibits the release of IL-8, IL-6, TNFα and IL-1β in primary human monocytes stimulated with MDP^[1].

References:

[1]. Rickard DJ, et al. Identification of benzimidazole diamides as selective inhibitors of the nucleotide-binding oligomerization domain 2 (NOD2) signaling pathway. PLoS One. 2013;8(8):e69619. Published 2013 Aug 1.

CAIndexNames:

1H-Benzimidazole-1-acetamide, 2-[2-(benzoylmethylamino)ethyl]-N-(2,3-dihydro-1H-inden-5-yl)-

SMILES:

O=C(NC1=CC=C2C(CCC2)=C1)CN3C4=CC=CC=C4N=C3CCN(C)C(C5=CC=CC=C5)=O

Caution: Product has not been fully validated for medical applications. For research use only.

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