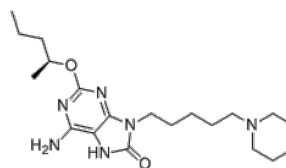


<b>Product Name</b>	: GSK2245035
<b>Synonyms</b>	: GSK 2245035; GSK-2245035
<b>Cat No.</b>	: M10768
<b>CAS Number</b>	: 1207629-49-9
<b>Molecular Formula</b>	: C <sub>20</sub> H <sub>34</sub> N <sub>6</sub> O <sub>2</sub>
<b>Formula Weight</b>	: 390.53
<b>Chemical Name</b>	: (S)-6-amino-2-(pentan-2-yloxy)-9-(5-(piperidin-1-yl)pentyl)-7,9-dihydro-8H-purin-8-one
<b>Description</b>	: GSK2245035 is a highly potent, selective TLR7 agonist that selectively induces TFN- $\alpha$ in PBMC assays with pEC <sub>50</sub> of 9.3, >2 logs selectivity over TNF $\alpha$ pEC <sub>50</sub> ; suppresses Th2 cytokine responses to allergens in human cell cultures, causes local upregulation of TLR7-mediated cytokines (IP-10) in vivo after intranasal administration at very low doses. Asthma Phase 2 Clinical
<b>Pathway</b>	: Immunology/Inflammation
<b>Target</b>	: TLR
<b>Receptor</b>	: TLR
<b>Solubility</b>	: —
<b>SMILES</b>	: <chem>CCCC(C)OC1=NC(=C2C(=N1)N(C(=O)N2)CCCCCN3CCCC3)N</chem>
<b>Storage</b>	: (-20°C)
<b>Stability</b>	: $\geq 2$ years
<b>Reference</b>	:



1. Biggadike K, et al. J Med Chem. 2016 Mar 10;59(5):1711-26. | 2. Ellis AK, et al. Clin Exp Allergy. 2017 Sep;47(9):1193-1203.