JNJ-64619178
Item No. 29231

CAS Registry No.: 2086772-26-9
Formal Name: (1S,2R,3S,5R)-3-[2-(2-amino-3-bromo-7-quinolinyl)ethyl]-5-(4-amino-7H-pyrrolo[2,3-d]pyrimidin-7-yl)-1,2-cyclopentanediol

MF: C_{22}H_{23}BrN_{6}O_{2}
FW: 483.4
Purity: ≥98%
UV/Vis.: \( \lambda_{\text{max}} = 214, 233 \) nm
Supplied as: A solid
Storage: -20°C
Stability: ≥2 years

Information represents the product specifications. Batch specific analytical results are provided on each certificate of analysis.

Laboratory Procedures

JNJ-64619178 is supplied as a solid. A stock solution may be made by dissolving the JNJ-64619178 in the solvent of choice, which should be purged with an inert gas. JNJ-64619178 is soluble in DMSO.

Description

JNJ-64619178 is an inhibitor of protein arginine methyltransferase 5 (PRMT5; IC\(_{50} = 0.14\) nM).\(^{1}\) It inhibits the growth of various cancer cells in vitro and reduces tumor growth in non-small cell lung cancer (NSCLC) and small cell lung cancer (SCLC) mouse xenograft models.\(^{2}\)

References


\[ \text{H}_2\text{N} \quad \text{O} \quad \text{Br} \]
\[ \text{N} \quad \text{NH}_2 \]