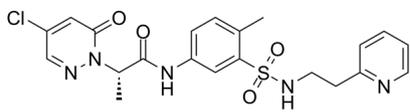


## Data Sheet

### Product Information

Catalog Number	BP13730
Product Name	BRD0639
Description	BRD0639 is a potent PRMT5 inhibitor. BRD0639 engages the target in cells, disrupts PRMT5-RIOK1 complexes, and reduces substrate methylation. BRD0639 is a first-in-class PBM-competitive inhibitor that can support studies of PBM-dependent PRMT5 activities and the development of novel PRMT5 inhibitors that selectively target these functions.
Chemical Formula	C <sub>21</sub> H <sub>22</sub> ClN <sub>5</sub> O <sub>4</sub> S
Molecular Weight	475.95
Solubility	DMSO: 60 mg/ml (126.06 mM)
Storage	Powder: -20°C for 2 years In solvent: -80°C for 1 year
Chemical Structure OR Tested Image	 <p>The chemical structure of BRD0639 is shown. It features a pyridine ring substituted with a chlorine atom at the 5-position and a 1,2,4-triazole ring at the 3-position. The triazole ring is further substituted with a methyl group at the 5-position and a carbonyl group at the 4-position. The carbonyl group is linked to a methylene group, which is in turn linked to a nitrogen atom. This nitrogen atom is part of a sulfonamide group (-NH-SO<sub>2</sub>-NH-) that is attached to a 2-pyridylmethyl group.</p>

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