# PRODUCT INFORMATION

## BMS-8

*Item No. 22355*

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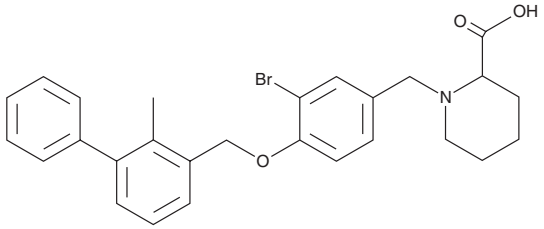
|---|---|
| **CAS Registry No.:** | 1675201-90-7 |
| **Formal Name:** | 1-[[3-bromo-4-[(2-methyl[1,1'-biphenyl]-3-yl)methoxy]phenyl]methyl]-2-piperidinecarboxylic acid |
| **MF:** | $C_{27}H_{28}BrNO_3$ |
| **FW:** | 494.4 |
| **Purity:** | ≥98% |
| **UV/Vis.:** | $\lambda_{max}$: 234 nm |
| **Supplied as:** | A crystalline solid |
| **Storage:** | -20°C |
| **Stability:** | ≥4 years |




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

### Laboratory Procedures

BMS-8 is supplied as a crystalline solid. A stock solution may be made by dissolving the BMS-8 in the solvent of choice, which should be purged with an inert gas. BMS-8 is slightly soluble in organic solvent methanol.

### Description

BMS-8 is a small molecule inhibitor of the protein-protein interaction between programmed death protein 1 (PD-1) and its ligand programmed cell death ligand 1 (PD-L1) with an $IC_{50}$ value of 146 nM in a homogeneous time-resolved fluorescence (HTRF) binding assay.[1]

### Reference


1. Guzik, K., Zak, K.M., Grudnik, P., *et al.* Small-molecule inhibitors of the programmed cell death-1/programmed death-ligand 1 (PD-1/PD-L1) interaction via transiently induced protein states and dimerization of PD-L1. *J. Med. Chem.* **60(13)**, 5857-5867 (2017).





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