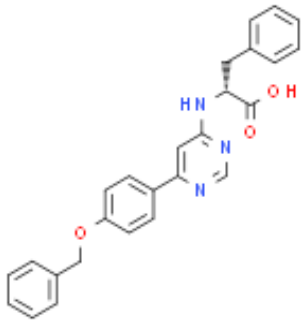
# Product Data Sheet

| | | | |
|---|---|---|---|
| Cas No.: | 693790-96-4 | Cat. No: | PL10108 |
| Product Name: | BAY 73-1449 | | |
| Product synonym: | - | | |
| Chemical name: | BAY 73-1449 | | |
| MF: | C26H23N3O3 | FW: | 425.47912 |
| Purity: | ≥99% | Batch No.: | - |
| Storage: | | | |
| Structural formula: |  | | |
| λmax: | - | Formulation: | - |
| Solubility : | | | |
| SMILES : | C1(COC2C=CC(C3N=CN=C(NC(C(O)=O)CC4C=CC=CC=4)C=3)=CC=2)C=CC=CC=1 | | |
| InChI Code: | - | | |
| InChI Key: | | | |
| **WARNING This product is not for human or veterinary use.** | | | |

## Product Description

BAY 73-1449 是一种选择性前列环素受体 (prostacyclin receptor, IP) 的拮抗剂，在人 HEL 细胞和大鼠 DRG 的 cAMP 分析中具有很高的效价 ($IC_{50}$ 值小于 0.1 nM)。BAY 73-1449 可用于降血压的研究。

| | |
|---|---|
| 生物活性 | BAY 73-1449 is a selective antagonist of prostacyclin receptor (IP), with high potency (IC 50 of less than 0.1 nM) in cAMP assays in Human HEL cells and rat DRG. BAY 73-1449 can be used in the research of lowering blood pressure. |
| IC50 & Target[1][2] | IP Receptor <0.1 nM (IC50) |
| 体内研究(In Vivo) | BAY 73-1449 (0.1-1 mg/kg; i.v.) does not significantly reduce mesenteric inflow, but significantly reduces splenic shunt vessel outflow in rats.<br>BAY 73-1449 (1-5 mg/kg, s.c. once daily for 7 d) has no effects on the degree of porto-systemic shunting in rats.<br>BAY 73-1449 (1 mg/kg, s.c. once daily for 7 d), has no effects on portal pressures in rats. has not independently confirmed the accuracy of these methods. They are for reference only. |
| 包装储存 | Powder -20°C 3 years； In solvent -80°C 6 months |
| 溶解度数据 | In Vitro: DMSO : 250 mg/mL (587.57 mM; Need ultrasonic)配制储备液 |