## Product Datasheet

# BAY-6672

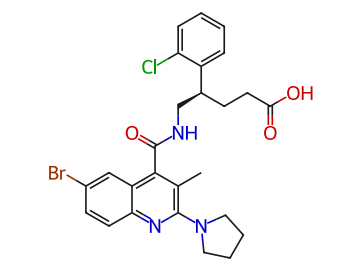
Catalog No. **BP-01995** · CAS **2247517-53-7** · Form **free base** · Physical state **solid** · Color **White to off-white** · Version **1.0** · Revision **2026-09-10**

**FOR RESEARCH USE ONLY. NOT FOR HUMAN OR VETERINARY USE.**

| Target | Research area |
|---|---|
| **Prostaglandin Receptor** | **Others** |

| | |
|---|---|
| Molecular formula | **$C_{26}H_{27}BrClN_3O_3$** |
| Molecular weight | **544.8680** |

**STRUCTURE**




## DESCRIPTION

BAY-6672 is a selective human prostaglandin F (FP) receptor antagonist that is highly potent (IC50=11 nM), orally available and well permeable. It exerts antifibrotic effects by inhibiting prostaglandin F2α ($PGF_{2}α$) activity through antagonizing the FP receptor, and has in vivo efficacy in animal models of idiopathic pulmonary fibrosis (IPF).

## BIOLOGICAL ACTIVITY

In vivo

Anti-fibrotic activity of BAY-6672 (3, 10, 30 mg/kg, twice daily) in a 10-day silica-induced pulmonary fibrosis model in mice.

Significant reductions in relevant profibrotic and inflammatory biomarkers, including the cytokines IL-1 and MCP-1, and the ECM protein osteopontin (OPN), were observed.

## REFERENCES

[1]. Beck H, et al. Potent and Selective Human Prostaglandin F (FP) Receptor Antagonist (BAY-6672) for the Treatment of Idiopathic Pulmonary Fibrosis (IPF). J Med Chem. 2020 Oct 22;63(20):11639-11662.