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Produktinformation



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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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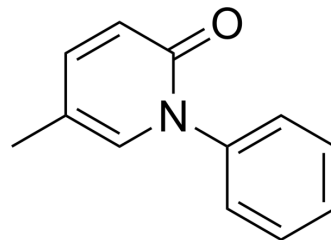
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Pirfenidone (Standard)

Cat. No.:	HY-B0673R
CAS No.:	53179-13-8
Molecular Formula:	C ₁₂ H ₁₁ NO
Molecular Weight:	185.22
Target:	CCR; TGF-beta/Smad
Pathway:	GPCR/G Protein; Immunology/Inflammation; Stem Cell/Wnt; TGF-beta/Smad
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Pirfenidone (Standard) is the analytical standard of Pirfenidone. This product is intended for research and analytical applications. Pirfenidone (AMR69) is an antifibrotic agent that attenuates CCL2 and CCL12 production in fibrocyte cells. Pirfenidone has growth-inhibitory effect and reduces TGF-β2 protein levels in human glioma cell lines. Pirfenidone also has anti-inflammatory activities ^{[1][2][3]} .
IC₅₀ & Target	TGF-β ₂ ^[1]

REFERENCES

- [1]. Burghardt I, et al. Pirfenidone inhibits TGF-beta expression in malignant glioma cells. *Biochem Biophys Res Commun.* 2007 Mar 9;354(2):542-7.
- [2]. Nakazato H, et al. A novel anti-fibrotic agent pirfenidone suppresses tumor necrosis factor-alpha at the translational level. *Eur J Pharmacol.* 2002 Jun 20;446(1-3):177-85.
- [3]. Yang Y, et al. Inhibition of Pirfenidone on TGF-beta2 induced proliferation, migration and epithelial-mesenchymal transition of human lens epithelial cells line SRA01/04. *PLoS One.* 2013;8(2):e56837.
- [4]. Inomata M, et al. Pirfenidone inhibits fibrocyte accumulation in the lungs in bleomycin-induced murine pulmonary fibrosis. *Respir Res.* 2014 Feb 8;15:16.
- [5]. Brooks D, et al. Limited fibrosis accompanies triple-negative breast cancer metastasis in multiple model systems and is not a preventive target. *Oncotarget.* 2018 May 4;9(34):23462-23481.

Caution: Product has not been fully validated for medical applications. For research use only.

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