



SZABO SCANDIC

Part of Europa Biosite

Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!
See the following pages for more information!



Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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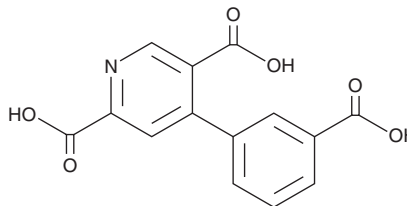
PRODUCT INFORMATION



4-CPPC

Item No. 30068

CAS Registry No.: 29553-70-6
Formal Name: 4-(3-carboxyphenyl)-2,5-pyridinedicarboxylic acid
MF: $C_{14}H_9NO_6$
FW: 287.2
Purity: $\geq 95\%$
UV/Vis.: λ_{max} : 223 nm
Supplied as: A crystalline solid
Storage: -20°C
Stability: ≥ 2 years



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

Laboratory Procedures

4-CPPC is supplied as a crystalline solid. A stock solution may be made by dissolving the 4-CPPC in the solvent of choice, which should be purged with an inert gas. 4-CPPC is soluble in the organic solvent DMSO.

Description

4-CPPC is an inhibitor of macrophage migration inhibitory factor-2 (MIF-2; $IC_{50} = 27 \mu\text{M}$).¹ It is selective for MIF-2 over MIF-1 ($IC_{50} = 450 \mu\text{M}$). It inhibits MIF-2, but not MIF-1, binding to CD74 *in vitro* when used at a concentration of $10 \mu\text{M}$. 4-CPPC (5, 10, and $25 \mu\text{M}$) inhibits MIF-2-induced ERK1/2 phosphorylation in primary human skin fibroblasts.

Reference

1. Tilstam, P.V., Pantouris, G., Corman, M., *et al.* A selective small-molecule inhibitor of macrophage migration inhibitory factor-2 (MIF-2), a MIF cytokine superfamily member, inhibits MIF-2 biological activity. *J. Biol. Chem.* **294**(49), 18522-18531 (2019).

WARNING

THIS PRODUCT IS FOR RESEARCH ONLY - NOT FOR HUMAN OR VETERINARY DIAGNOSTIC OR THERAPEUTIC USE.

SAFETY DATA

This material should be considered hazardous until further information becomes available. Do not ingest, inhale, get in eyes, on skin, or on clothing. Wash thoroughly after handling. Before use, the user must review the [complete](#) Safety Data Sheet, which has been sent via email to your institution.

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