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Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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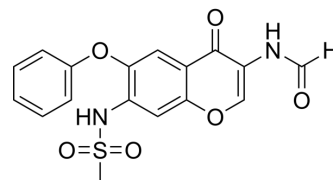
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Iguratimod (Standard)

| | |
|---------------------------|---|
| Cat. No.: | HY-17009R |
| CAS No.: | 123663-49-0 |
| Molecular Formula: | C ₁₇ H ₁₄ N ₂ O ₆ S |
| Molecular Weight: | 374.37 |
| Target: | COX; Macrophage migration inhibitory factor (MIF) |
| Pathway: | Immunology/Inflammation |
| Storage: | Please store the product under the recommended conditions in the Certificate of Analysis. |



BIOLOGICAL ACTIVITY

| | |
|-------------------------------------|---|
| Description | Iguratimod (Standard) is the analytical standard of Iguratimod. This product is intended for research and analytical applications. Iguratimod is an antirheumatic agent, acts as an inhibitor of COX-2, with an IC ₅₀ of 20 μM (7.7 μg/mL), but shows no effect on COX-1. Iguratimod also inhibits macrophage migration inhibitory factor (MIF) with an IC ₅₀ of 6.81 μM. |
| IC₅₀ & Target | IC ₅₀ : 20 μM (COX-2) ^[1] , 6.81 μM (MIF) ^[3] |

REFERENCES

- [1]. Tanaka K, et al. T-614, a novel antirheumatic drug, inhibits both the activity and induction of cyclooxygenase-2 (COX-2) in cultured fibroblasts. *Jpn J Pharmacol.* 1995 Apr;67(4):305-14.
- [2]. Sun Y, et al. Anti-rheumatic drug iguratimod protects against cancer-induced bone pain and bone destruction in a rat model. *Oncol Lett.* 2017 Jun;13(6):4849-4856.
- [3]. Iguratimod, et al. Identification of Iguratimod as an Inhibitor of Macrophage Migration Inhibitory Factor (MIF) with Steroid-sparing Potential. *J Biol Chem.* 2016 Dec 16;291(51):26502-26514.

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

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