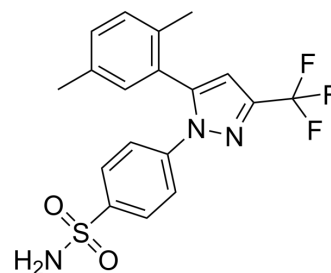


2,5-Dimethylcelecoxib

Cat. No.:	HY-W010995
CAS No.:	457639-26-8
Molecular Formula:	C ₁₈ H ₁₆ F ₃ N ₃ O ₂ S
Molecular Weight:	395.4
Target:	Wnt; Survivin; β-catenin
Pathway:	Stem Cell/Wnt; Apoptosis
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

2,5-Dimethylcelecoxib is an analogue of celecoxib (HY-14398) with anticancer activity but without COX-2 inhibitory activity. 2,5-Dimethylcelecoxib exerts its anti-cancer cell proliferation effect by inhibiting the core mechanism of the Wnt/β-catenin signaling pathway. 2,5-Dimethylcelecoxib also inhibits T-cell factor-dependent transcriptional activity and inhibits expression of the Wnt/β-catenin target gene products cyclin D1 and survivin^[1].

REFERENCES

[1]. Egashira I, et al. Celecoxib and 2,5-dimethylcelecoxib inhibit intestinal cancer growth by suppressing the Wnt/β-catenin signaling pathway. *Cancer Sci.* 2017 Jan;108(1):108-115.

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

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