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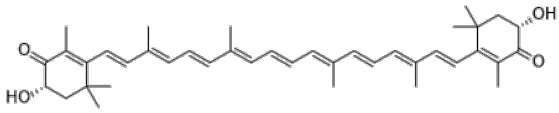
Data Sheet

Global Supplier of Chemical Probes, Inhibitors & Agonists.

Product Name	:	Astaxanthin
Cat. No.	:	PC-26927
CAS No.	:	472-61-7
Molecular Formula	:	$C_{40}H_{52}O_4$
Molecular Weight	:	596.85
Target	:	STAT
Solubility	:	10 mM in DMSO



Biological Activity

Astaxanthin (AST) is a potent xanthophyll carotenoid with anti-tumor activity and antioxidant properties, targeting JAK2/STAT3/mTOR/PI3K pathways in gastric cancer (GC), exerts anti-cancer cell proliferation, increases apoptosis, impairs migration and invasion by activating PPARγ and reducing the expression of STAT3.

References

YektaKooshali MH, et al. BMC Cancer. 2025 Jan 9;25(1):44.

Caution: Product has not been fully validated for medical applications. Lab Use Only!

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