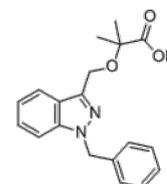


Product Name : Bindarit
Cat. No. : PC-20616
CAS No. : 130641-38-2
Molecular Formula : C₁₉H₂₀N₂O₃
Molecular Weight : 324.38
Target : Interleukin Receptor
Solubility : 10 mM in DMSO



Biological Activity

Bindarit (AF2838) is a selective inhibition of inflammatory chemokine **MCP-1/CCL2**, MCP-3/CCL7, and MCP-2/CCL8, shows immunosuppressive effects anti-inflammatory activity.

Bindarit displays no effect on other CC and CXC chemokines such as MIP-1 α /CCL3, MIP-1 β /CCL4, MIP-3/CCL23, RANTES/CCL5, and IL8/CXCL8.

Bindarit dose-dependently inhibits MCP-1 and TNF-alpha production induced in vitro in monocytes by LPS and *Candida albicans*, does not affect the production of the cytokines IL-1, IL-6, or the chemokines IL-8, MIP-1alpha and RANTES.

Bindarit reduces monocyte recruitment and local MCP-1 production, induced by carrageenan or IL-1 injection.

Bindarit protects mice against trinitrobenzene sulfonic acid-induced colitis.

Bindarit reduces tumor growth and macrophage recruitment, rendering necrotic tumor masses in melanoma-bearing mice.

References

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Grassia G, et al. *Cardiovasc Res*. 2009 Dec 1;84(3):485-93.

Bhatia M, et al. *Inflamm Res*. 2008 Oct;57(10):464-71.

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

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