Web: www.taiclone.com
Tel: +886-2-2735-9682
Email: order@taiclone.com

# Bindarit

## Catalog No: tcsc2620

### Available Sizes

**Size:** 10mg

**Size:** 50mg

**Size:** 100mg

### Specifications

**CAS No:**
130641-38-2

**Formula:**
$C_{19}H_{20}N_2O_3$

**Pathway:**
Others

**Target:**
Others

**Purity / Grade:**
>98%

**Solubility:**
DMSO : ≥ 46 mg/mL (141.81 mM)

**Alternative Names:**
AF2838

**Observed Molecular Weight:**
324.37

## Product Description

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Bindarit(AF-2838), a CCL2, CCL7 and CCL8 inhibitor, is an anti-inflammatory agent.

Target: Others

Bindarit exhibits selective inhibition against monocyte chemotactic proteins MCP-1/CCL2, MCP-3/CCL7 and MCP-2/CCL8. Oral administration of Bindarit at 50 mg/kg in NZB/W mice delays the onset of proteinuria, significantly protects from renal function impairment, and prolongs survival of NZB/W mice or lupus mice. Bindarit treatment completely MCP-1 up-regulation during the progression of nephritis [1]. Inhibition of MCP-1 with Bindarit also reduces tumor growth and macrophage recruitment, rendering necrotic tumor masses in human melanoma xenografts [2]. Bindarit is effective in reducing neointima formation in both non-hyperlipidaemic and hyperlipidaemic animal models of vascular injury by a direct effect on VSMC proliferation and migration and by reducing neointimal macrophage content [3]. Administration of Bindarit results in impaired metastatic disease in prostate cancer PC-3M-Luc2 xenograft mice and impairment of local tumorigenesis in Balb/c mice with murine breast cancer 4T1-Luc cells. In addition, Bindarit treatment significantly decreases the infiltration of tumor-associated macrophages and myeloid-derived suppressor cells in 4T1-Luc primary tumors [4].