

SH543

Chemical Properties

CAS No. :

Formula:

Molecular Weight:

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.

Biological Description

Description	SH543 is a potent anti-osteoporosis agent that inhibits RANKL-induced osteoclastogenesis, with an IC50 value of 3.3 nM. It directly binds to KEAP1, activating the Nrf2-HO-1 antioxidant pathway, reducing reactive oxygen species (ROS) levels, and inhibiting PI3K-AKT and MAPK signaling pathways. SH543 alleviates pathological bone loss in ovariectomized mice and is useful for osteoporosis research.
Targets(IC50)	Akt,p38 MAPK,PI3K

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Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481