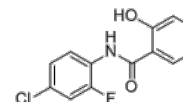


**Product Name** : NDMC101  
**Cat. No.** : PC-60551  
**CAS No.** : 1308631-40-4  
**Molecular Formula** : C<sub>13</sub>H<sub>9</sub>ClFNO<sub>2</sub>  
**Molecular Weight** : 265.7  
**Target** : NF-κB  
**Solubility** : 10 mM in DMSO



## Biological Activity

NDMC101 is a small molecule that inhibits NFATc1 and NF-κB activity, inhibits **RANKL**-induced osteoclastogenesis in vivo. NDMC101 markedly inhibits RANKL-induced formation of TRAP+ multinucleated cells in RAW264.7 and bone marrow macrophage cells (BMMs).

NDMC101 significantly reduces the bone-resorbing activity of mature osteoclasts.

NDMC101 reduces arthritic index and mitigated bone erosion in CIA mice.

## References

Cheng CP, et al. J Clin Immunol. 2012 Aug;32(4):762-77.

Liou JT, et al. Eur J Pharmacol. 2014 Mar 5;726:124-32.

Lee CC, et al. Eur J Med Chem. 2015 Jun 15;98:115-26.

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

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