



Product Information

Product ID D9752

CAS No. 304448-55-3

Chemical Name

Synonym

Formula $C_{18}H_{14}N_2O_4$

Formula Wt. 322.32

Melting Point

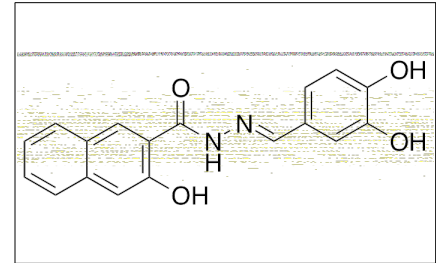
Purity $\geq 98\%$

Solubility DMSO: ≥ 10 mg/mL
H₂O: insoluble

Store Temp $-20^{\circ}C$

Ship Temp Ambient

Description Dynasore is an inhibitor of dynamin, a protein involved in membrane fission during endocytosis; it displays anti-resorptive, anti-osteoporotic, and antiviral activities. Dynasore inhibits bone resorption by preventing actin ring formation in osteoclasts. This compound also suppresses viral entry and infection of herpes simplex virus (HSV). Dynasore also inhibits transport of viral proteins from the nucleus to the cytosol by preventing co-localization of VP5 and dynamin.



Bulk quantities available upon request

Product ID	Size
D9752	5 mg
D9752	25 mg

References Mues MB, Cheshenko N, Wilson DW, et al. Dynasore disrupts trafficking of herpes simplex virus proteins. *J Virol.* 2015 Jul 1;89(13):6673-84. PMID: 25878109.

Thirukonda GJ, Uehara S, Nakayama T, et al. The dynamin inhibitor dynasore inhibits bone resorption by rapidly disrupting actin rings of osteoclasts. *J Bone Miner Metab.* 2015 Jun 11. [Epub ahead of print]. PMID: 26063501.

Preta G, Cronin JG, Sheldon IM. Dynasore - not just a dynamin inhibitor. *Cell Commun Signal.* 2015 Apr 10;13:24. PMID: 25889964.

Caution: This product is intended for laboratory and research use only. It is not for human or drug use.