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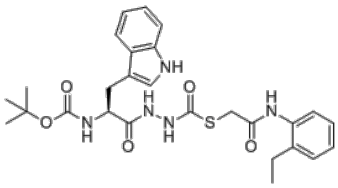
Data Sheet

Global Supplier of Chemical Probes, Inhibitors & Agonists.

Product Name	:	SID 26681509
Cat. No.	:	PC-38582
CAS No.	:	958772-66-2
Molecular Formula	:	$C_{27}H_{33}N_5O_5S$
Molecular Weight	:	539.651
Target	:	Cathepsin
Solubility	:	10 mM in DMSO



Biological Activity

SID 26681509 is a potent, selective inhibitor of lysosome hydrolase **cathepsin L** with IC50 of 56 nM, displays no inhibitory activity at cathepsin G.
SID 26681509 displays 7- to 151-fold greater selectivity toward cathepsin L than papain and cathepsins B, K, V, and S.
SID 26681509 demonstrated a lack of toxicity in human aortic endothelial cells and zebrafish.
SID 26681509 inhibited in vitro propagation of malaria parasite Plasmodium falciparum with IC50 of 15.4 microM and inhibited Leishmania major with IC50 of 12.5 microM.

References

Shah PP, et al. ***Mol Pharmacol.*** 2008 Jul;74(1):34-41.

Campbell GR, et al. ***PLoS Pathog***. 2012;8(5):e1002689.

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

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