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## Product Data Sheet

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Product Name: MtbHU-IN-1  
 Cat. No.: GC30958

**Chemical Properties**

Cas. No. 59736-84-4

O=S(NC1=CC=C(C=C1)C(O)=O)

SMILES (C2=CC(NC(C3=CC=C(OC)C=C3)=O)=CC=C2/C=C/C4=CC=C(NC(C5=CC=C(OC)C=C5)=O)C=C4S(NC6=CC=C(C=C6)C(O)=O)(=O)=O)=O

Formula  $C_{44}H_{36}N_4O_{12}S_2$

M.Wt

876.91

Solubility Soluble in DMSO

Storage

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

General tips For obtaining a higher solubility , please warm the tube at  $37^{\circ}C$  and shake it in the ultrasonic bath for a while. Stock solution can be stored below  $-20^{\circ}C$  for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.

Structure

**Background**

MtbHU-IN-1 is an inhibitor of Mycobacterium tuberculosis nucleoid-associated protein HU (MtbHU), with a  $K_d$  of 98 nM for binding to WT MtbHU.

MtbHU-IN-1 (SD4) is an inhibitor of Mycobacterium tuberculosis nucleoid-associated protein HU (MtbHU), with  $K_d$ s of 98 nM, 760 nM, 980 nM, 340 nM and 730 nM for WT and mutant MtbHUs, respectively[1].

[1]. Bhowmick T, et al. Targeting Mycobacterium tuberculosis nucleoid-associated protein HU with structure-based inhibitors. Nat Commun. 2014 Jun 11;5:4124.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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