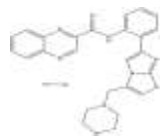


Product: **SRT1720**

ALTERNATE NAME: N-[2-[3-(piperazin-1-ylmethyl)imidazo[2,1-b][1,3]thiazol-6-yl]phenyl]quinoxaline-2-carboxamide

CATALOG #: 2772-5, 25

AMOUNT: 5 mg, 25 mg



STRUCTURE:

MOLECULAR FORMULA: C₂₅H₂₃N₇OS.HCl

MOLECULAR WEIGHT: 506.02

CAS NUMBER: 1001645-58-4

APPEARANCE: Pale brown to dark brown solid

SOLUBILITY: DMSO (>35 mg/ml)

PURITY: ≥98% by HPLC

STORAGE: Store at -20° C. Protect from air and moisture

DESCRIPTION: SRT1720 is a selective SIRT1 activator (EC₅₀ = 0.16 μM). It displays >230-fold less potency against SIRT2 and SIRT3.

REFERENCE: Chauhan, D., *et al.* (2011). *Br. J. Haematol.* **155**, 588-598.

HANDLING: Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.

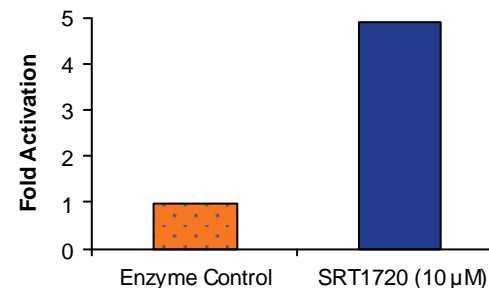


Figure: Activation of SIRT1 using 10 μM SRT1720. SRT1720 increases SIRT1 Activity by 5 folds. Assays are performed using the kit protocol. Assays are performed using our SIRT1 Inhibitor/Activator Screening Kit (Fluorometric) kit (K325-100) protocol.

RELATED PRODUCTS:

Cambinol (**Cat. No. 1653-10**)

Salelmide (**Cat. No. 1873-5, 25**)

Sirtuin 2, human recombinant (**Cat. No. 7632-20, -100, -1000**)

SIRT4 (GST-tagged), Human recombinant (**Cat. No. 7673-20, -100**)

SIRT5 (GST-tagged), Human recombinant (**Cat. No. 7674-20, -100**)

Sirtuin 1 (human intracellular) ELISA Kit (**Cat. No. K4923-100**)

Sirtuin 2 (human intracellular) ELISA Kit (**Cat. No. K4924-100**)

SIRT 1 Inhibitor, EX-527 (**Cat. No. 1652-10**)

SIRT 1 Inhibitor Screening Assay Kit (**Cat. No. K322-100**)

SIRT 2 Inhibitor, AGK2 (**Cat. No. 1651-10**)

SIRT 2 Inhibitor, AK-7 (**Cat. No. 1857-5, -25**)

SIRT3 Antibody (**Cat. No. 3223-100**)

SIRT4 Antibody (**Cat. No. 3224-100**)

SIRT5 Antibody (**Cat. No. 3225-100**)

SirtAct (**Cat. No. 2741-2,10**)

Sirtinol (**Cat. No. 2062-1, -5**)

Suramin, hexasodium salt (**Cat. No. 1874-50, 250**)

FOR RESEARCH USE ONLY! Not to be used on humans.