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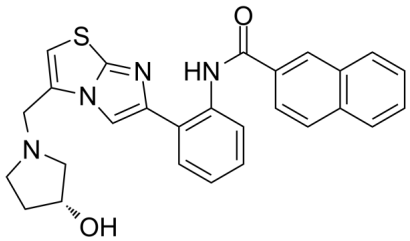
Certificate of Analysis

Catalog Number	BP10005
Product Name	SRT 2183

Physical and Chemical Properties

CAS No.	1001908-89-9
Chemical Formula	C27H24N4O2S
Molecular Weight	468.58
Solubility	DMSO: 240 mg/mL (512.2 mM), Need ultrasonic
Storage	Powder: -20°C for 2 years In solvent: -80°C for 1 year
Chemical Structure OR Tested Image	

Product Information

Description	SRT 2183 (1-10 μM; 24-72 hours) inhibits the growth of Reh and Nalm-6 cells in a time- and dose-dependent manner. SRT 2183 (5-10 μM in Reh cells; 10 μM in Ly3 cells; 24 hours) induces expression of DNA-damage response genes associated with accumulation of phospho-H2A.X levels. SRT2183 inhibits RANKL-induced osteoclast differentiation, fusion and resorptive capacity without affecting osteoclast survival.
Targets&IC50	SIRT1: 0.36 μM (EC1.5)

Analytical Data

HPLC	Shows Min >99% purity
H-NMR	Consistent with structure
Stability and Solubility Advice	Information on product stability, especially in solution, has rarely been reported and in most cases we can only provide a general guideline. We recommend that once the stock solution has been prepared, it be stored in equal quantities in sealed vials and used within 1 month. Avoid repeated freezing and thawing cycles. Storage conditions for some special products should be referred to their storage details.

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