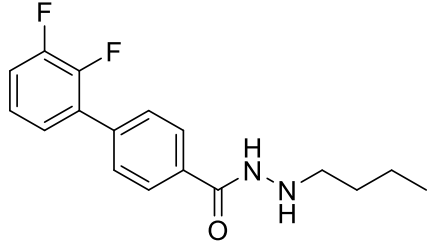


# Product data sheet



MedKoo Cat#: 206964 Name: SR-4370 CAS: 1816294-67-3 Chemical Formula: C <sub>17</sub> H <sub>18</sub> F <sub>2</sub> N <sub>2</sub> O Exact Mass: 304.1387 Molecular Weight: 304.3408	
Product supplied as:	Powder
Purity (by HPLC):	≥ 98%
Shipping conditions	Ambient temperature
Storage conditions:	Powder: -20°C 3 years; 4°C 2 years. In solvent: -80°C 3 months; -20°C 2 weeks.

## 1. Product description:

SR-4370 is an HDAC inhibitor. SR-4370 exhibited IC<sub>50</sub> values of 0.5 μM, 0.1 μM and 0.06 μM towards HDAC1, HDAC2 and HDAC3, resp. SR-4370 is reported in WO 2015153516. SR-4370 showed comparable performances to other already known LRAs, did not activate CD4<sup>+</sup> T cells, and did not cause changes in the composition of peripheral blood mononuclear cells (PBMCs), as shown by flow cytometry analyses.

## 2. CoA, QC data, SDS, and handling instruction

SDS and handling instruction, CoA with copies of QC data (NMR, HPLC and MS analytical spectra) can be downloaded from the product web page under “QC And Documents” section. Note: copies of analytical spectra may not be available if the product is being supplied by MedKoo partners. Whether the product was made by MedKoo or provided by its partners, the quality is 100% guaranteed.

## 3. Solubility data

Solvent	Max Conc. mg/mL	Max Conc. mM
DMSO	105.5	346.65
Ethanol	61.0	200.43

## 4. Stock solution preparation table:

Concentration / Solvent Volume / Mass	1 mg	5 mg	10 mg
1 mM	3.29 mL	16.43 mL	32.86 mL
5 mM	0.66 mL	3.29 mL	6.57 mL
10 mM	0.33 mL	1.64 mL	3.29 mL
50 mM	0.07 mL	0.33 mL	0.66 mL

## 5. Molarity Calculator, Reconstitution Calculator, Dilution Calculator

Please refer the product web page under section of “Calculator”

## 6. Recommended literature which reported protocols for in vitro and in vivo study

In vitro study

- Zutz A, Chen L, Sippl F, Humpe A, Schölz C. Epigenetic Compound Screening Uncovers Small Molecules for Reactivation of Latent HIV-1. Antimicrob Agents Chemother. 2020 Dec 16;65(1):e01815-20. doi: 10.1128/AAC.01815-20. PMID: 33139279; PMCID: PMC7927817.

In vivo study

To be determined

## 7. Bioactivity

Biological target:

SR-4370 is an inhibitor of HDAC, with IC<sub>50</sub>s of 0.13 μM, 0.58 μM, 0.006 μM, 2.3 μM, and 3.4 μM for HDAC1, HDAC2, HDAC3, HDAC8, and HDAC6, respectively.

In vitro activity

SR-4370 may has therapeutic potential for the reversal of latency in HIV-1-infected individuals. SR-4370 showed comparable

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performances to other already known latency-reversing agents, did not activate CD4+ T cells, and did not cause changes in the composition of peripheral blood mononuclear cells (PBMCs), as shown by flow cytometry analyses.

Reference: Antimicrob Agents Chemother. 2020 Dec 16;65(1):e01815-20. <https://pubmed.ncbi.nlm.nih.gov/33139279/>

In vivo activity

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To be determined

*Note: The information listed here was extracted from literature. MedKoo has not independently retested and confirmed the accuracy of these methods. Customer should use it just for a reference only.*