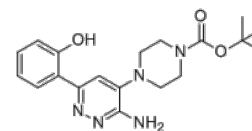


Product Name : SGC-SMARCA-BRDVIII
Cat. No. : PC-73226
CAS No. : 1997319-84-2
Molecular Formula : C₁₉H₂₅N₅O₃
Molecular Weight : 371.441
Target : Bromodomain
Solubility : 10 mM in DMSO



Biological Activity

SGC-SMARCA-BRDVIII (SMARCA-PB1 inhibitor 22) is a potent, selective pan-**SMARCA/PB1 bromodomain** inhibitor with K_d of 35, 36 and 13 nM for SMARCA2 (**BRM**), SMARCA4 (**BRG1**) and PB1 (5), respectively.

SGC-SMARCA-BRDVIII displays little to no affinity for PB1(2) PB1(3) and PB1(4) (IC₅₀=1.9->10 uM).

SGC-SMARCA-BRDVIII blocked adipocyte differentiation at 1.0 μM in 3T3-L1 murine fibroblasts.

SGC-SMARCA-BRDVIII blocks the expression of key genes during adipogenesis, including the transcription factors PPARγ and C/EBPα, and impaired the differentiation of 3T3-L1 murine fibroblasts into adipocytes.

References

Marek Wanior, et al. *J Med Chem*. 2020 Dec 10;63(23):14680-14699.

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

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