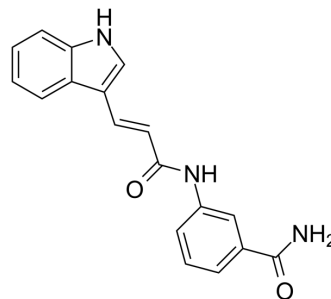


RSC133

| | | | |
|--------------------|---|-------|----------|
| Cat. No.: | HY-12310 | | |
| CAS No.: | 1418131-46-0 | | |
| Molecular Formula: | C ₁₈ H ₁₅ N ₃ O ₂ | | |
| Molecular Weight: | 305.33 | | |
| Target: | DNA Methyltransferase; HDAC | | |
| Pathway: | Epigenetics; Cell Cycle/DNA Damage | | |
| Storage: | Powder | -20°C | 3 years |
| | In solvent | -80°C | 6 months |
| | | -20°C | 1 month |



BIOLOGICAL ACTIVITY

Description

RSC133 exhibits dual activity by inhibiting histone deacetylase and DNA methyltransferase. RSC133 effectively facilitates reprogramming of human somatic cells to pluripotent stem cells and supports the maintenance of an undifferentiated state of human pluripotent stem cells^[1].

REFERENCES

[1]. Lee J, et al. A novel small molecule facilitates the reprogramming of human somatic cells into a pluripotent state and supports the maintenance of an undifferentiated state of human pluripotent stem cells. *Angew Chem Int Ed Engl.* 2012 Dec 7;51(50):12509-1

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA