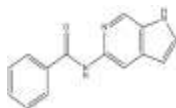


PRODUCT: OAC1**ALTERNATE NAME:** N-(1H-pyrrolo[2,3-c]pyridin-5-yl)benzamide**CATALOG #:** B1079-5, 25**AMOUNT:** 5 mg, 25 mg**STRUCTURE:****MOLECULAR FORMULA:** C₁₄H₁₁N₃O**MOLECULAR WEIGHT:** 237.26**CAS NUMBER:** 300586-90-7**APPEARANCE:** Beige solid**SOLUBILITY:** DMSO (>30 mg/ml) or EtOH (>20 mg/ml)**PURITY:** ≥98% by HPLC**STORAGE:** Store at -20°C. Protect from air and light.**DESCRIPTION:** OAC1 is an Oct4-activating compound that activates expression through the Oct4 gene promoter. In cells expressing Oct4 with Sox2, Klf4, and c-Myc, OAC1 (1 μM) enhances reprogramming efficiency by increasing the rate of production of induced pluripotent stem cells (iPSCs) from embryonic fibroblasts. OAC1 also upregulates mRNA expression of Oct-4, Sox-2 and Nanog, as well as Tet1.**REFERENCES:** Li, W., *et al.* (2012). *Proc. Natl. Acad. Sci. USA* **109**, 20853-208578.**HANDLING:** Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.**RELATED PRODUCTS:**OAC1 (**B1079**)OAC2 (**B1080**)IQ-1 (**1663**)**USAGE:** **FOR RESEARCH CH USE ONLY! Not to be used in humans**