



938 South Andreasen Drive, Suite E
Escondido, CA 92029 USA

Phone: +1-760-738-1508

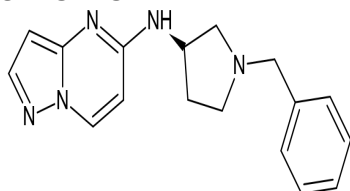
Fax: +1-760-738-1530
info@auroramedbiochem.com
www.auroramedbiochem.com

DDD00033325

ALTERNATE NAME: (R)-N-(1-benzylpyrrolidin-3-yl)pyrazolo[1,5-a]pyrimidin-5-amine; Prosurvival compound

CATALOG #: AUR10836

STRUCTURE:



MOLECULAR FORMULA: C₁₇H₁₉N₅

MOLECULAR WEIGHT: 293.37

CAS#: N/A

APPEARANCE: Yellow syrup

SOLUBILITY: DMSO (>100 mg/ml)

PURITY: ≥95% by HPLC

STORAGE: Store at -20°C; Protect from air and light

DESCRIPTION: DDD00033325 is a cell-permeable small molecule that promotes single human embryonic stem cell survival up to 20-fold over background (EC₅₀ = 3.9 M), with equal or higher potency than the ROCK inhibitor Y-27632 in 5 cell lines (SA461, SA181, SA167, SA121 and SA002) tested at 10 M. An *in vitro* high-content screening assay, which profiles a panel of more than 70 protein kinases, indicates that this small molecule is more selective than Y-27632 and only displays an inhibitory effect toward ROCK2 (>83% inhibition, ROCK1 was not included in the panel) and PRK2 (76% inhibition) at 10 μM.

HANDLING: Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure