Purmorphamine, GMP Grade

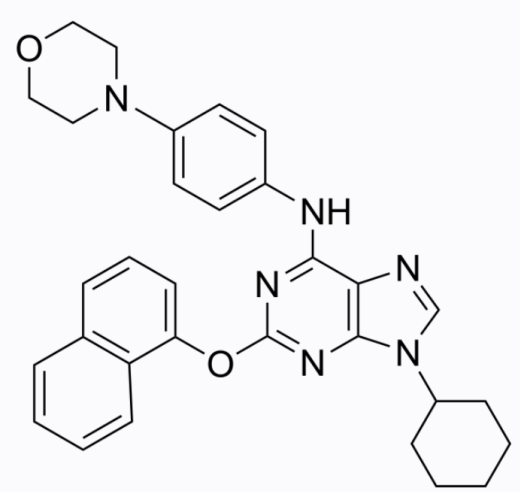
Cat. No. Purmorphamine-13 **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purmorphamine (GMP) is Purmorphamine produced by using GMP guidelines. GMP small molecules work appropriately as an auxiliary reagent for cell therapy manufacture.
Description	Purmorphamine is a smoothened/Smo receptor agonist with an EC50 of 1 μM
Form	Solid, Off-white to pale purple
Target	Smo
In Vitro	Purmorphamine (GMP) (1.5 μM, 1 week) can generate embryoid bodies (EBs) from human iPS cells (hiPS2) and hESCs (HSF1). Purmorphamine (GMP) (1.5 μM) converts hPSCs to NKX2-1 positive MGE cells. Purmorphamine (GMP) (2 μM, day 28-35) promotes ventralization of the brain spheroids in differentiation process from hiPSCs. Purmorphamine (GMP) (1 μM) together with retinoic acid (RA, 2 μM) promotes hiPSC differentiation into functional neural tissue, indicated by the expression of neuronal marker β-tubulin III (βT-III). Purmorphamine (GMP) (day5-7) induces hESCs differentiation into dopaminergic (DA) neurons.
CAS	483367-10-8
Formula	C31H32N6O2
Molecular Mass	520.62

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

GENE INFORMATION

Pathway	Stem Cell/Wnt
Synonyms	Purmorphamine
Chemical Structure	

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