

Product Name	: GNF351
Synonyms	: —
Cat No.	: M22680
CAS Number	: 1227634-69-6
Molecular Formula	: C ₂₄ H ₂₅ N ₇
Formula Weight	: 411.5
Chemical Name	: —
Description	: GNF351 is a full antagonist of the aryl hydrocarbon receptor (AHR) with the capacity to inhibit both DRE-dependent and -independent activity. GNF351 is minimal toxicity in mouse or human keratinocytes. GNF351 competes with a photoaffinity AHR ligand for binding to the AHR (IC ₅₀ : 62 nM). After treating proliferating monolayer cultures of human keratinocytes, GNF351 (500 nM, 48 hours) obviously decreases the percentage of Ki67-positive cells and cell number.
Pathway	: Others
Target	: Other Targets
Receptor	: aryl hydrocarbon receptor
Solubility	: DMSO: 124 mg/mL (301.34 mM)
SMILES	: <chem>CC(C)n1cnc2c(NCCc3c[nH]c4cccc34)nc(nc12)-c1cncc(C)c1</chem>
Storage	: (-20°C)
Stability	: ≥ 2 years
Reference	:

1. van den Bogaard EH, et al. Genetic and pharmacological analysis identifies a physiological role for the AHR in epidermal differentiation. J Invest Dermatol. 2015 May;135(5):1320-1328.