

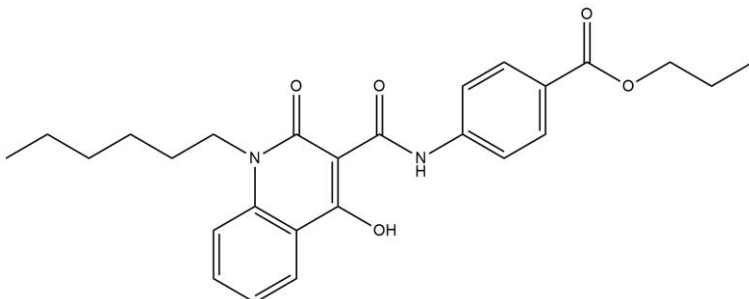
GSA 10

08/20

ALTERNATE NAMES: Propyl 4-(1-hexyl-4-hydroxy-2-oxo-1,2-dihydroquinoline-3-carboxamido)benzoate; propyl 4-[(1-hexyl-4-hydroxy-2-oxoquinoline-3-carbonyl)amino]benzoate; 4-[(1-Hexyl-4-hydroxy-2-oxo-1,2-dihydro-quinoline-3-carbonyl)-amino]-benzoic acid propyl ester

CATALOG #: B3065-5 5 mg
 B3065-25 25 mg

STRUCTURE:



MOLECULAR FORMULA: C₂₆H₃₀N₂O₅

MOLECULAR WEIGHT: 450.53

CAS NUMBER: 300833-95-8

APPEARANCE: White to light brown solid

PURITY: ≥95%

SOLUBILITY: ~1 mg/ml in DMSO

DESCRIPTION: GSA 10 is a novel, potent activator of the smoothened receptor (Smo). GSA 10 acts at Smo and promotes the differentiation of multipotent mesenchymal progenitor cells into osteoblasts (EC₅₀ = 1.2 μM). GSA 10 does not recognize the classic bodipy-cyclopamine binding site like other Smo agonists.

STORAGE TEMPERATURE: -20°C

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

REFERENCES:

1. Ruiz-Gómez, A., Molnar, C., Holguín, H., et al. The cell biology of Smo signalling and its relationships with GPCRs. *Biochimica et Biophysica Acta* 1768(4), 901-912 (2007).
2. Gorojankina, T., Hoch, L., Faure, H., et al. Discovery, molecular and pharmacological characterization of GSA-10, a novel small-molecule positive modulator of Smoothened. *Mol. Pharmacol.* 83(5), 1020-1029 (2013).

RELATED PRODUCTS:

Smo agonist, SAG dihydrochloride (Cat. No. 2801)
 PF-04449913 (Cat. No. B2467)
 LDE-225 (Cat. No. 2892)
 Smo Agonist, SAG (Cat. No. 1939)
 Smo Antagonist, SA10 (Cat. No. 2159)

DISCLAIMER: **FOR RESEARCH USE ONLY! Not to be used on humans.**