

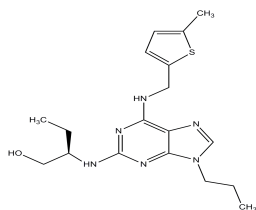
Product: **GV-58**

ALTERNATE NAME: (2R)-2-[(6-[[[(5-Methylthiophen-2-yl)methyl]amino]-9-propyl-9H-purin-2-yl)amino]butan-1-ol; Rx-ID: 23159892

CATALOG #: 2616-1,5

AMOUNT: 1 mg, 5 mg

STRUCTURE:



MOLECULAR FORMULA: C₁₈H₂₆N₆OS

MOLECULAR WEIGHT: 374.50

CAS No. N/A

APPEARANCE: White to off-white solid

SOLUBILITY: DMSO or EtOH

PURITY: >97% by NMR

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

DESCRIPTION: A Roscovitine (Cat. No. 1950) derivative that acts as a selective N- and P/Q-type Ca²⁺-channel agonist. These Ca²⁺-channels regulate transmitter release in synapses. Potential lead compound for a variety of disorders that result in neuromuscular weakness.

REFERENCES: Tarr, T.B., *et al.* (2013). *J. Neurosci.* **33**, 10559-10567

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

RELATED PRODUCTS:

Amlodipine besylate (Cat. No. 2378-50, 250)

2-APB (Cat. No. 1798-100)

Calcitriol (Cat. No. 1880-50, 250)

Dantrolene sodium (Cat. No. 2491-100, 500)

Felodipine (Cat. No. 2399-10, 50)

Pamidronate disodium (Cat. No. 1884-50, 250)

Ruthenium Red (Cat. No. 2490-50, 250)

Ryanodine (Cat. No. 2489-500, 1000)

Thapsigargin (Cat. No. 1558-1)

FOR RESEARCH USE ONLY! Not to be used in humans.