BAY-677

ALTERNATE NAMES: 5-{(6S)-5-acetyl-4-methyl-2-oxo-3-[3-(trifluoromethyl)phenyl]-1,6-dihydropyrimidin-6-yl}pyridine-2-carbonitrile; 5-{(4S)-5-Acetyl-1,2,3,4-tetrahydro-6-methyl-2-oxo-1-[3-(trifluoromethyl)phenyl]-4-pyrimidinyl]-2-pyridinecarbonitrile

CATALOG #: B3060-5 5 mg
B3060-25 25 mg

STRUCTURE:

MOLECULAR FORMULA: C₂₀H₁₅F₃N₄O₂

MOLECULAR WEIGHT: 400.35

CAS NUMBER: 2117404-84-7

APPEARANCE: Yellow solid

PURITY: ≥97%

SOLUBILITY: ~20 mg/ml in DMSO

DESCRIPTION: BAY-677 is a negative control for BAY-678. BAY-678 is a potent, selective and cell-permeable inhibitor of human neutrophil elastase (HNE) with an IC₅₀ of 20 nM. The S-enantiomer BAY-677 inhibits HNE with IC₅₀>2000 nM.

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:
2. https://www.thescg.org/chemical-probes/BAY-678

RELATED PRODUCTS:
Elastase Inhibitor (Cat. No. 1922)
Elastase Inhibitor, SPCK (Cat. No. 1921)
Elastase Substrate, Fluorogenic (Cat. No. 1975)
Sivelestat (Cat. No. B2144)
Alvelestat (Cat. No. B1653)

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