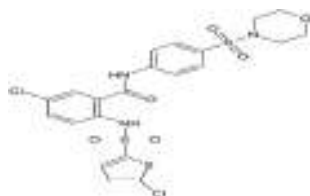


Ataciguat

ALTERNATE NAME: HMR-1766
5-Chloro-2-(5-chlorothiophene-2-sulfonylamino)-N-(4-(morpholine-4-sulfonyl)phenyl)benzamide

CATALOG #: B2574-1 1 mg
B2574-5 5 mg

STRUCTURE:



MOLECULAR FORMULA: C₂₁H₁₉Cl₂N₃O₆S₃

MOLECULAR WEIGHT: 576.5

CAS NUMBER: 254877-67-3

APPEARANCE: White to pale yellow solid

PURITY: ≥98% by HPLC

SOLUBILITY: ~ 1 mg/ml DMSO

DESCRIPTION: Ataciguat is an anthranilic acid derivative that activates the oxidized (heme-free) form of soluble guanylate cyclase (sGC) (EC₅₀ = 0.5-10 μM in purified bovine lung or crude human corpus cavernosum isolates) by binding to the heme pocket and mimicking its function. It has been shown to increase cGMP levels in cultured rat aorta smooth muscle cells and to induce vasorelaxation of isolated rat aorta, porcine coronary arteries, and human corpus cavernosum (EC₅₀ = 1-10 μM).

STORAGE TEMPERATURE: -20°C. Protect from light

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

RELATED PRODUCTS:

BAY 58-2667 Hydrochloride (2027)
BAY 58-2667 (Free base) (2452)
EZSolution™ BAY 58-2667 Hydrochloride (9494)
BAY 63-2521 (2644)
YC-1 (2061)
BAY 41-2272 (9429)

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