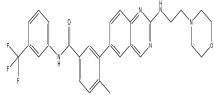


PRODUCT: AMG-47a**ALTERNATE NAME:** 4-Methyl-3-[2-[[2-(4-morpholinyl)ethyl]amino]-6-quinazoliny]-N-[3-(trifluoromethyl)phenyl]benzamide**CATALOG #:** 2825-5, 25**AMOUNT:** 5 mg, 25 mg**STRUCTURE:****MOLECULAR FORMULA:** C₂₉H₂₈F₃N₅O₂**MOLECULAR WEIGHT:** 535.56**CAS NUMBER:** 882663-88-9**APPEARANCE:** Beige solid**SOLUBILITY:** DMSO**PURITY:** ≥98% by HPLC**STORAGE:** Store at -20 °C. Protect from air and light**DESCRIPTION:** AMG-47a is a potent inhibitor of Lck and T cell proliferation. It exhibits anti-inflammatory activity (ED₅₀ = 11 mg/kg) in the anti-CD3 induced production of IL-2 in mice. In several other in vitro assays, AMG-47 displays subnanomolar inhibition against Lck, and low (<10 nM) inhibition against other hard to inhibit kinases such as KDR and SRC and MAPK α (p38α). In addition, at slightly higher doses but well under 10 μM, AMG-47 effectively inhibits the JNK family of kinases including TYK2 at ~ 1.2 μM.**REFERENCES:** DiMauro, E.F., *et al.* (2006). *J. Med. Chem.* **49**, 5671-5686.**HANDLING:** Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.**RELATED PRODUCTS:**

AMG-47a (Cat. No. 2825-5, 25)

Anomalin A (Cat. No. 2151-1)

Emodin (Cat. No. 1875-25, 100)

PP1 (Cat. No. 1971-1, 5)

USAGE: **FOR RESEARCH CH USE ONLY! Not to be used in humans**