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ML348

Quality Control Certificate of Analysis Catalogue No.: A010-701 Unit Size: 1mg Lot No: 4069M

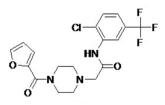
Full chemical name

Description

N-[2-Chloro-5-(trifluoromethyl)phenyl]-4-(2furanylcarbonyl)-1-piperazineacetamide

ML348 is a competitive and reversible inhibitor of acyl palmitoyl thio-esterase 1 (APT1 – an enzyme encoded by the lysopholipase 1 gene (LYPLA1)). With a Ki = 300nM and an IC50 = 840nM, it exhibits a 14 fold greater selectivity for APT1 over APT2 (Ki and IC50 > 10μ M).

Structure



CAS no. Physical properties HPLC Purity Molecular weight Molecular formula Solubilisation Handling 899713-86-1 White solid >98% 415.79 g C₁₈H₁₇ClF₃N₃O₃ DMSO (48.5 mg/ml = 116.6 mM) Store at 4^oC

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