

Product Name: MI 2 (MALT1 inhibitor)

Catalog No.: 4848

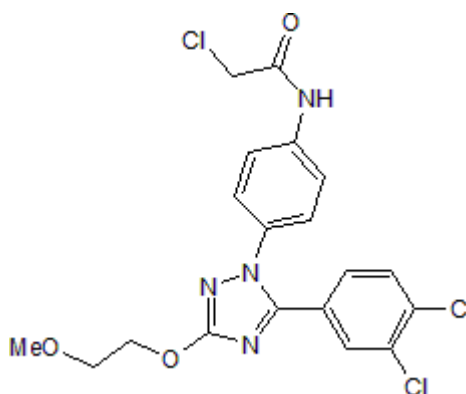
Batch No.: 1

CAS Number: 1047953-91-2

IUPAC Name: 2-Chloro-N-[4-[5-(3,4-dichlorophenyl)-3-(2-methoxyethoxy)-1H-1,2,4-triazol-1-yl]phenyl]acetamide

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₁₉H₁₇Cl₃N₄O₃
Batch Molecular Weight: 455.72
Physical Appearance: White solid
Solubility: DMSO to 100 mM
 ethanol to 50 mM
Storage: Store at +4°C
Batch Molecular Structure:



2. ANALYTICAL DATA

HPLC: Shows 99.8% purity
¹H NMR: Consistent with structure
Mass Spectrum: Consistent with structure
Microanalysis:

	Carbon	Hydrogen	Nitrogen
Theoretical	50.08	3.76	12.29
Found	50.14	3.72	12.32

Caution - Not Fully Tested • Research Use Only • Not For Human or Veterinary Use

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Description:

MALT1 inhibitor (IC₅₀ = 5.84 μM). Binds directly to MALT1 and irreversibly suppresses protease function. Decreases NF-κB activity induced by MALT1. Inhibits cell proliferation and MALT1-mediated cleavage activity. Suppresses human TMD8 and HBL-1 activated B cell-like diffuse large B cell lymphoma (ABC-DLBCL) tumor xenografts in mice and primary human ABC-DLBCLs ex vivo.

Physical and Chemical Properties:

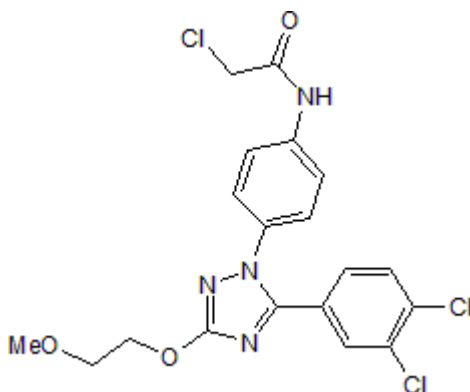
Batch Molecular Formula: C₁₉H₁₇Cl₃N₄O₃

Batch Molecular Weight: 455.72

Physical Appearance: White solid

Minimum Purity: >98%

Batch Molecular Structure:



Storage: Store at +4°C

Solubility & Usage Info:

DMSO to 100 mM

ethanol to 50 mM

Stability and Solubility Advice:

Some solutions can be difficult to obtain and can be encouraged by rapid stirring, sonication or gentle warming (in a 45-60°C water bath).

Information concerning product stability, particularly in solution, has rarely been reported and in most cases we can only offer a general guide. Our standard recommendations are:

SOLIDS: Provided storage is as stated on the product label and the vial is kept tightly sealed, the product can be stored for up to 6 months from date of receipt.

SOLUTIONS: We recommend that stock solutions, once prepared, are stored aliquoted in tightly sealed vials at -20°C or below and used within 1 month. Wherever possible solutions should be made up and used on the same day.

References:

Fontan *et al* (2012) MALT1 small molecule inhibitors specifically suppress ABC-DLBCL in vitro and in vivo. *Cancer Cell* **22** 812. PMID: 23238016.

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