AG-CR1-3661

MI-2 [MALT1 Inhibitor]
[2-Chloro-N-[4-[5-(3,4-dichlorophenyl)-3-(2-methoxyethoxy)-1H-1,2,4-triazol-1-yl]phenylacetamide; ALB-H03200218]

AG-CR1-3661-M005 5 mg
AG-CR1-3661-M025 25 mg

Formula C_{19}H_{17}Cl_{3}N_{4}O_{3}
MW 455.7
CAS 1047953-91-2

Handling / Storage
Shipping AMBIENT
Short Term Storage +4°C
Long Term Storage -20°C

Keep cool and dry.

Use / Stability
Stable for at least 2 years after receipt when stored at -20°C.

MSDS available at www.adipogen.com or upon request.

Product Specifications
Purity ≥98%
Appearance Whiteto off-white solid.
Solubility Soluble in DMSO (30mg/ml) or ethanol (5mg/ml).

Product Description

• Highly potent and selective irreversible MALT1 inhibitor (IC_{50}=5.8μM). Binds directly to MALT1 and suppresses protease function.

• Decreases NF-κB activity induced by MALT1. Inhibits cell proliferation and MALT1-mediated cleavage activity. Suppresses human TMD8 and HBL-1 (EC_{50}= ~200nM and ~500nM for HBL-1 and TMD8, respectively) activated B cell-like diffuse large B cell lymphoma (ABC-DLBCL) cell lines in vitro and xenotransplanted mouse ABC-DLBCL tumors in vivo and primary human ABC-DLBCLs ex vivo.

• In combination with bryostatin 1 displays selective killing of HIV latently infected CD4+ T cells.

• Inhibits NF-κB and NLRP3 inflammasome activation in macrophages. Decreased production of IL-1β/IL-18 in PMA-differentiated THP-1 cells and bone marrow derived macrophage via suppressing the activation of NF-κB and NLRP3 inflammasome.

WARNING: Intended for research use only. This product is not intended or approved for human, diagnostics, therapeutic or veterinary use. Use of this product for human or animal testing is extremely hazardous and may result in disease, severe injury, or death. MATERIAL SAFETY DATA: Review the complete Material Safety Data Sheet before use.
Product Specific References


2. MALT1 inhibitors prevent the development of DSS-induced experimental colitis in mice via inhibiting NF-κB and NLRP3 inflammasome activation: W. Liu, et al.; Oncotarget 7, 30536 (2016)