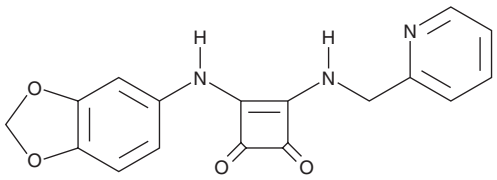
PRODUCT INFORMATION

Mtb ATP Synthase-IN-1

Item No. 46247

CAS Registry No.:	2642394-38-3
Formal Name:	3-(1,3-benzodioxol-5-ylamino)-4-[(2-pyridinylmethyl)amino]-3-cyclobutene-1,2-dione
Synonym:	Mtb ATP Synthase Inhibitor 1
MF:	$C_{17}H_{13}N_3O_4$
FW:	323.3
Purity:	≥98%
Supplied as:	A solid
Storage:	-20°C
Stability:	≥4 years



Information represents the product specifications. Batch specific analytical results are provided on each certificate of analysis.

Laboratory Procedures

Mtb ATP synthase-IN-1 is supplied as a solid. A stock solution may be made by dissolving the Mtb ATP synthase-IN-1 in the solvent of choice, which should be purged with an inert gas. Mtb ATP synthase-IN-1 is sparingly soluble (1-10 mg/ml) in DMSO.

Description

Mtb ATP synthase-IN-1 is an anti-tuberculosis agent.[1] It is active against a drug-sensitive and two extensively drug-resistant (XDR) *M. tuberculosis* strains (MICs = 0.483, 0.47, and 0.499 µg/ml, respectively) and does not induce cytotoxicity in Vero cells (IC_{50} = >64 µg/ml).

Reference

1. Li, P., Wang, B., Li, G., *et al.* Design, synthesis and biological evaluation of diamino substituted cyclobut-3-ene-1,2-dione derivatives for the treatment of drug-resistant tuberculosis. *Eur. J. Med. Chem.* **206**, 112538 (2020).

WARNING
THIS PRODUCT IS FOR RESEARCH ONLY - NOT FOR HUMAN OR VETERINARY DIAGNOSTIC OR THERAPEUTIC USE.

SAFETY DATA
This material should be considered hazardous until further information becomes available. Do not ingest, inhale, get in eyes, on skin, or on clothing. Wash thoroughly after handling. Before use, the user must review the complete Safety Data Sheet, which has been sent *via* email to your institution.

WARRANTY AND LIMITATION OF REMEDY
Buyer agrees to purchase the material subject to Cayman's Terms and Conditions. Complete Terms and Conditions including Warranty and Limitation of Liability information can be found on our website.

Copyright Cayman Chemical Company, 08/11/2026

CAYMAN CHEMICAL
1180 EAST ELLSWORTH RD
ANN ARBOR, MI 48108 · USA
PHONE: [800] 364-9897
[734] 971-3335
FAX: [734] 971-3640
CUSTSERV@CAYMANCHEM.COM
WWW.**CAYMANCHEM**.COM