

MBRI-001 biochemical

MBRI-001

CATALOG #
AAA227014

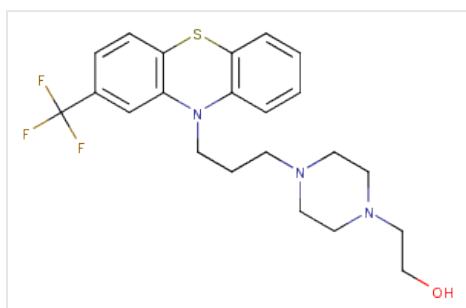
PRODUCT SYNONYMS

MBRI-001; Fluphenazine; Triflumethazine; Fluorphenazine; Siqualine; Fluorfenazine; Fluorophenazine; MBRI-001 biochemical

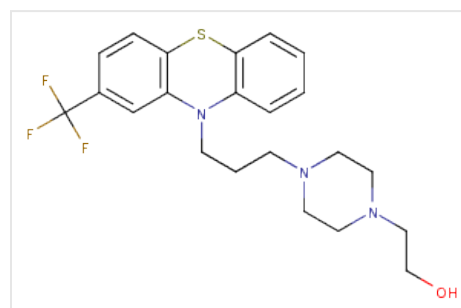
PRODUCT SPECIFICATIONS

Purity/Purification	98%
SMILES	[2H]C(c1nc[nH]c1C(CC)C)=c1[nH]c(=O)c(=C)c2ccccc2)[nH]c1=O
Formula	C19H20N4O2
CAS	2054938-28-0
Solubility	<1mg/ml refers to the product slightly soluble or insoluble
Preparation and Storage	Powder: -20 degree C for 3 years In solvent: -80 degree C for 2 years

IMAGES



Structure
Fluphenazine free base, CAS 69-23-8



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ADDITIONAL INFORMATION

Related Product Information for MBRI-001 biochemical	MBRI-001 is a deuterium-substituted plinabulin derivative and a potent anti-cancer agent with better pharmacokinetic characteristics and lower toxicity.
References	- Xu F, Xia Y, Feng Z, Lin W, Xue Q, Jiang J, Yu X, Peng C, Luo M, Yang Y, Wei Y, Yu L. Repositioning antipsychotic fluphenazine hydrochloride for treating triple negative breast cancer with brain metastases and lung metastases. Am J Cancer Res. 2019 Mar 1;9(3):459-478. eCollection 2019. PubMed PMID: 30949404; PubMed Central PMCID: PMC6448056. - Menilli L, García-Argáez AN, Dalla Via L, Miolo G. The neuroleptic drug fluphenazine induces a significant UVA-mediated cytotoxic effect on three human cancer cell lines through apoptosis. Photochem Photobiol Sci. 2019 Mar 12. doi: 10.1039/c9pp00023b. [Epub ahead of print] PubMed PMID: 30860541. - Otr?ba M, Beberok A, Wrze?niok D, Buszman E. In vitro melanogenesis inhibition by fluphenazine and prochlorperazine in normal human melanocytes lightly pigmented. Daru. 2018 Sep;26(1):85-89. doi: 10.1007/s40199-018-0206-4. Epub 2018 Jul 24. PubMed PMID: 30159761; PubMed Central PMCID: PMC6154481. - Drugs and Lactation Database (LactMed) [Internet]. Bethesda (MD): National Library of Medicine (US); 2006-. Available from http://www.ncbi.nlm.nih.gov/books/NBK500732/ PubMed PMID: 29999791.

NCBI AND UNIPROT INFORMATION

Molecular Weight	437.53
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For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://www.aaabiotech.com/biochemical/mbri-001/227014>