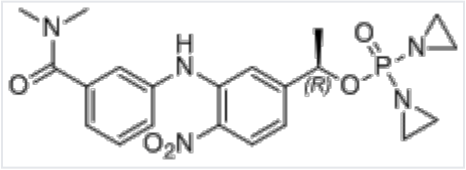
OBI-3424 (AST-3424)

PRODUCT OVERVIEW

Product Name	OBI-3424, Biochemical
Full Product Name	OBI-3424
Product Synonym Names	AST-3424; TH-3424
Purity/Purification	>98% (HPLC)
Preparation and Storage	Store at -20 degree C Stability: >=2 years Shipping: Ice Pack
Molecular Weight	460.427
Target	DNA Alkylator
Receptor	DNA Alkylator
Chemical Name	(R)-1-(3-(3-(dimethylcarbamoyl)phenoxy)-4-nitrophenyl)ethyl di(aziridin-1-yl)phosphinate
SMILES	CC(C1=CC(=C(C=C1)[N+](=O)[O-])OC2=CC=CC(=C2)C(=O)N(C)C)OP(=O)(N3CC3)N4CC4
Molecular Formula	C21H25N4O6P
CAS Number	2097713-68-1
Product Categories/Family for OBI-3424 biochemical	Liver Cancer; Cell Cycle/DNA Damage; Cancer
Related Product Information for OBI-3424 biochemical	OBI-3424 (AST-3424, TH-3424) is a first-in-class, novel prodrug that selectively targets cancers overexpressing the enzyme AKR1C3, OBI-3424 is a highly selective prodrug that is converted by AKR1C3 to a DNA alkylating agent.
Product References and Citations for OBI-3424 biochemical	1. Richard B. Lock, et al. Abstract LB-B16: The AKR1C3-Activated Prodrug OBI-3424 Exerts Profound In Vivo Efficacy Against Preclinical Models of T-Cell Acute Lymphoblastic Leukemia (T-ALL); a Pediatric Preclinical Testing Consortium Study. AACR 2018.
Other Notes	Small volumes of OBI-3424 biochemical vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for OBI-3424 purchase	MBS3603309 is a biochemical targeting OBI-3424.



Structure of OBI-3424 biochemical

For Research Use Only. Not for use in diagnostic or therapeutic procedures.

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Online datasheet: https://www.mybiosource.com/biochemical/obi-3424/3603309