



SZABO SCANDIC

Part of Europa Biosite

Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!
See the following pages for more information!



Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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PRODUCT INFORMATION

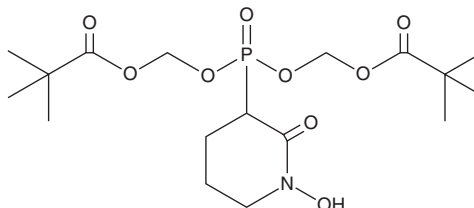


POMHEX

Item No. 33390

CAS Registry No.: 2004714-34-3
Formal Name: 2,2-dimethyl-propanoic acid, 1,1'-[[[(1-hydroxy-2-oxo-3-piperidiny)phosphinylidene] bis(oxyethylene)] ester

MF: C₁₇H₃₀NO₉P
FW: 423.4
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

POMHEX is supplied as a solid. A stock solution may be made by dissolving the POMHEX in the solvent of choice, which should be purged with an inert gas. POMHEX is soluble in DMSO.

Description

POMHEX is a prodrug form of the β -enolase, also known as enolase-3, inhibitor HEX.¹ It is converted to HEX by intracellular carboxylesterases and selectively reduces the cell density of *ENO1*^{-/-} D-423MG glioblastoma cells (IC₅₀ = 38 nM) over *ENO1*-overexpressing D-423MG cells and LN-319 astrocytoma cells expressing wild-type *ENO1* (IC₅₀s = 604 and 2,148 nM, respectively). POMHEX decreases cell density in normoxic and hypoxic growth conditions in *ENO1*^{-/-} D-423MG cells (IC₅₀s = 79 and 201 nM, respectively).

Reference

1. Yan, V.C., Yang, K.L., Ballato, E.S., *et al.* Bioreducible phosphonoamidate pro-drug inhibitor of enolase: Proof of concept study. *ACS Med. Chem. Lett.* **11**(7), 1484-1489 (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.

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