



2,3-dinor TXB2

Cat. No.:	OB0626WX-3572
Appearance:	Liquid
Purity:	≥95%
Identity:	Confirmed by TLC.
Size:	25 µg; 50 µg; 100 µg; 250 µg

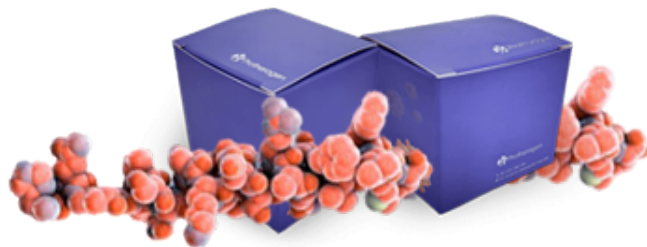
This product is for research use only and is not intended for diagnostic use.

Product Overview

Description	2,3-dinor TXB2 is a stable urinary metabolite derivative of thromboxane B2 (TXB2), characterized by the removal of two carbon units from the parent thromboxane structure. This dinor metabolite retains the characteristic oxygenated eicosanoid framework of thromboxanes while exhibiting a shortened carbon backbone and reduced structural complexity compared with TXB2. As a chemically defined oxylipid metabolite, 2,3-dinor TXB2 represents an important member of the thromboxane metabolic pathway and serves as a structurally distinct reference compound within the prostanoid family.
Formulation	Methyl acetate solution (100 µg/mL)
Synonyms	9α,11,15S-trihydroxy-2,3-dinor-thromboxane-5Z,13E-dien-1-oic acid; 2,3-Dinor-TXB2; 63250-09-9; 9S,11,15S-trihydroxy-2,3-dinor-thromboxane-5Z,13E-dien-1-oic acid; (Z)-5-[(2R,3S,4S)-4,6-dihydroxy-2-[(E,3S)-3-hydroxyoct-1-enyl]oxan-3-yl]pent-3-enoic acid; 2,3-dinorthromboxane; 2,3-dinor-thromboxane; 2,3-dinor Thromboxane B2
CAS No.	63250-09-9
Compound CID	5283138
Formula	C ₁₈ H ₃₀ O ₆
Formula Weight	342.4

Specification

Solubility in DMSO	25 mg/mL
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Solubility in Ethanol	100 mg/mL
Solubility in DMF	50 mg/mL
Solubility in Other Solvents	PBS: 100 mg/mL
IUPAC Name	(Z)-5-[(2R,3S,4S)-4,6-dihydroxy-2-[(E,3S)-3-hydroxyoct-1-enyl]oxan-3-yl]pent-3-enoic acid
InChI	InChI=1S/C18H30O6/c1-2-3-4-7-13(19)10-11-16-14(8-5-6-9-17(21)22)15(20)12-18(23)24-16/h5-6,10-11,13-16,18-20,23H,2-4,7-9,12H2,1H3,(H,21,22)/b6-5-,11-10+/t13-,14-,15-,16+,18-/m0/s1
InChI Key	RJHNVFKNIJQTQF-LMIBIYGPSA-N
Canonical SMILES	<chem>O[C@@H]1[C@H](C/C=C\CC(O)=O)[C@@H](/C=C/[C@H](O)CCCC)OC(O)C1</chem>
Stability	1 year
Storage	Storage at -20°C.
Applications	2,3-dinor TXB2 is utilized as a reference compound for thromboxane metabolite analysis. It supports LC-MS/MS-based eicosanoid profiling, analytical method development, and characterization of thromboxane degradation products.