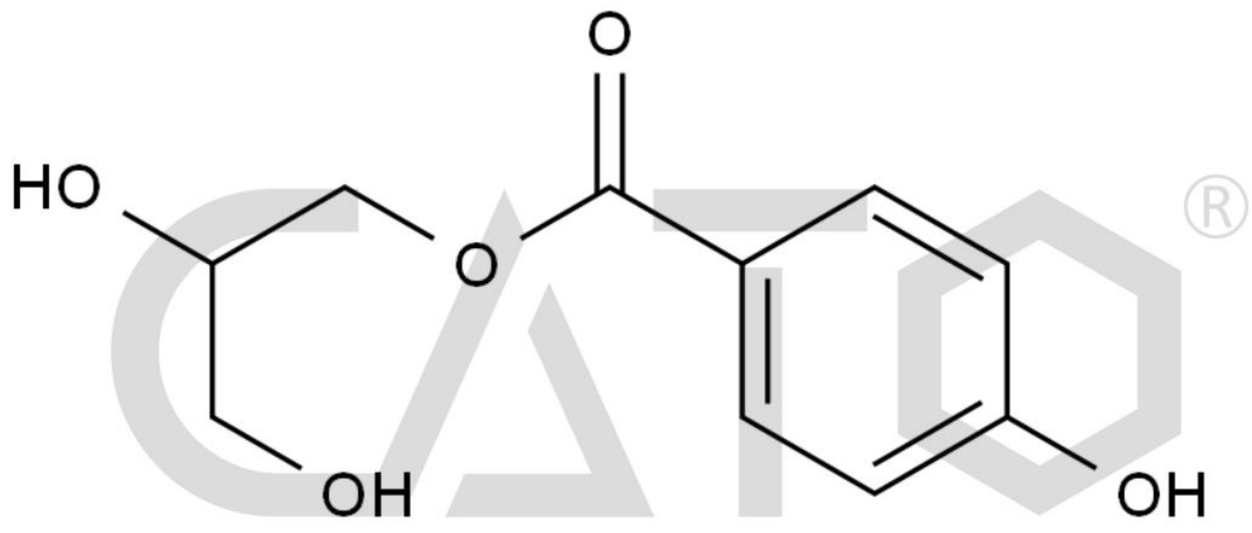
Certificate of Analysis

Reference Material & Standard

Product Name:	Levetiracetam Impurity 32	**Catalogue Number:**	C4X-106732
Synonyms:	2,3-dihydroxypropyl 4-hydroxybenzoate	**Lot Number:**	1023-RH-0101
CAS Number:	93778-15-5	**Expiry Date:**	Oct 28, 2030
Molecular Formula:	$C_{10}H_{12}O_5$	**Storage:**	-20°C±5°C Protected from light and Sealed
Molecular Weight:	212.20	**Shipping Condition:**	Shipping with Ice Packs
Solubility:	Acetonitrile	**Warning:**	

Chemical Structure:



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Test Items	Method	Results
Appearance	Visual inspection	Off-White Solid
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	99.971%
Loss on Drying	TGA	0.4831%
Assay	Mass Balance	99.5%

Comment:

The calculation of the mass balance method follows the formula (calculated on the non-dried basis):
*Assay (%) = (100%-Loss on Drying) * Purity HPLC (%) /100%*
Loss on Drying is considered as absolute effect, HPLC purity is considered as relative effect.

Signature:

Prepared by: Alice Date: Oct 29, 2026

Reviewed by: Jim Date: Nov 02, 2026

Approved by General Manager: David Date: Nov 02, 2026

CATO Research Chemicals Inc.