

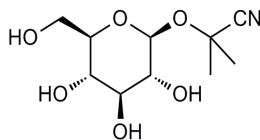
Product: Linamarin

ALTERNATE NAME: α -Hydroxyisobutyronitrile β -D-glucopyranoside, α -Hydroxyisobutyronitrile β -D-glucose, 2-(β -D-Glucopyranosyloxy)-2-methylpropionitrile

CATALOG #: 2749-25, 50

AMOUNT: 25 mg, 50 mg

STRUCTURE:



MOLECULAR FORMULA: C₁₀H₁₇NO₆

MOLECULAR WEIGHT: 247.25

CAS NUMBER: 554-35-8

APPEARANCE: White to off-white solid

SOLUBILITY: H₂O

PURITY: \geq 98% by TLC

STORAGE: Store at -20 °C. Protect from air and light

DESCRIPTION: Linamarin is a cyanogenic glycoside defense compound produced by plants and insects. Found in cassava. Displays neurotoxic effects in rats. Linamarin induces memory and cognition deficits in rodents.

REFERENCE: Kimani, S., *et al.* (2014). *Metab. Brain Dis.* **29**, 105-112; Rivadeneyra-Dominquez, E. *et al.* (2013). *Food Chem. Toxicol.* **59**, 230-235.

HANDLING: Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.

RELATED PRODUCTS:

Castanospermine (**Cat. No. 2293-10, 50**)

α -Glucosidase activity assay kit (**Cat. No. K690-100**)

Miglitol (**Cat. No. 2335-5, 25**)

Pellitorine (**Cat. No. 2053-1,5**)

FOR RESEARCH USE ONLY! Not to be used on humans.