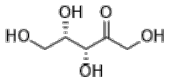
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Data Sheet

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Product Name	:	L-Xylulose
Cat. No.	:	PC-28748
CAS No.	:	527-50-4
Molecular Formula	:	$C_5H_{10}O_5$
Molecular Weight	:	150.13
Target	:	Other Targets
Solubility	:	10 mM in DMSO

Biological Activity

L-xylulose is a versatile L-form rare sugar with exceptional properties, including low caloric content, **alpha-glucosidase** inhibition and antiviral effects, is a mimic of quorum sensing (QS) autoinducer AI-2, also inhibits alpha-glucosidase (**α-glucosidase**) with IC50 of 10 uM (yeast alpha-glucosidase), also is an indicator of hepatitis or liver cirrhosis.

References

Shine EE, et al. ***J Am Chem Soc***. 2026 Feb 18;148(6):6258-6269.

Muniruzzaman S, et al. ***Glycobiology***. 1996 Dec;6(8):795-803.

Caution: Product has not been fully validated for medical applications. Lab Use Only!

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