PRODUCT INFORMATION



CALXGLUK

Item No. 24784

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CAS Registry No.: Formal Name:	1820596-85-7 (2R,2'R,2''R,3S,3'S,3''S,4S,4'S,4''S,5R,5'R, 5''R,6'R,6''R)-6,6',6''-(((((7 ² -(heptyloxy)- 1 ² ,3 ² ,5 ² -trimethoxy-1,3,5,7(1,3)- tetrabenzenacyclooctaphane-1 ⁵ ,3 ⁵ ,5 ⁵ - triyl) <i>tris</i> (ethane-2,1-diyl)) <i>tris</i> (1H-1,2,3- triazole-1,4-diyl)) <i>tris</i> (methylene)) <i>tris</i> (oxy)) <i>tris</i> (2-(hydroxymethyl)tetrahydro-2H- pyran-3,4,5-triol)	
MF:	$C_{71}H_{95}N_9O_{22}$	0
FW:	1,426.6	5 ^N N
Purity:	≥95%)N
Supplied as:	A crystalline solid	HOO
Storage:	-20°C	но…
Stability:	≥4 years	но стор

Information represents the product specifications. Batch specific analytical results are provided on each certificate of analysis.

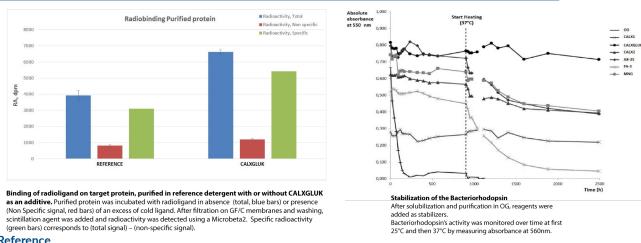
Laboratory Procedures

CALXGLUK is supplied as a crystalline solid. A stock solution may be made by dissolving the CALXGLUK in the solvent of choice, which should be purged with an inert gas. CALXGLUK is soluble in organic solvents such as methanol and DMSO. CALXGLUK is also soluble in water at a concentration of approximately 2.5 mM. We do not recommend storing the aqueous solution for more than one day.

Description

CALXGLUK is a calixarene detergent that can be used to solubilize membrane proteins.¹ It has a critical micelle concentration (CMC) of 0.025 mM. CALXGLUK has been used to solubilize a membrane GPCR (MP-A) and a membrane transporter (MP-B) from yeast alone and in combination with Triton X-100 (Item No. 600217) and digitonin (Item No. 14952).

Images



Reference

1. Desuzinges Mandon, E., Agez, M., Pellegrin, R., et al. Anal. Biochem. 517, 40-49 (2017).

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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