

2-DG6P ($\geq 98\%$, BioReagent)

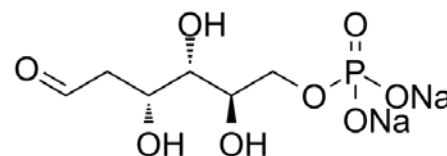
产品编号	产品名称	包装
ST2082-5mg	2-DG6P ($\geq 98\%$, BioReagent)	5mg
ST2082-25mg	2-DG6P ($\geq 98\%$, BioReagent)	25mg
ST2082-100mg	2-DG6P ($\geq 98\%$, BioReagent)	100mg

产品简介:

CAS Number	Chemical Formula	Molecular Weight	Purity	Grade
33068-19-8	C ₆ H ₁₁ Na ₂ O ₈ P	288.1	$\geq 98\%$	BioReagent

➤ 基本信息(General Information):

Name (Chinese)	2-脱氧-D-葡萄糖-6-磷酸钠盐
Name (English)	2-Deoxy-D-glucose 6-phosphate disodium
Specifications	BioReagent, $\geq 98\%$
Chemical Formula	C ₆ H ₁₁ Na ₂ O ₈ P
Synonym (Chinese)	2-脱氧-d-葡萄糖 6-磷酸钠; 2-脱氧-D-葡萄糖-6-磷酸二钠盐
Synonym (English)	2-Deoxyglucose-6-phosphate (sodium salt); sodium, (2,3,4-trihydroxy-6-oxohexyl) dihydrogen phosphate; 6-(dihydrogen phosphate) 2-deoxy-D-arabino-hexose, sodium salt
Beilstein Registry No.	-
EINECS Number	-
MDL Number	MFCD00057477
UNSPSC Code	-



➤ 产品描述(Description):

Biochem/physiol Actions	2-脱氧-D-葡萄糖-6-磷酸钠盐(2-DG6P)是2-脱氧-D-葡萄糖(2DG)的衍生物, 在哺乳动物细胞中通过己糖激酶(Hexokinase, HK)作用产生。2-DG6P在细胞内产生并积累, 通过抑制己糖激酶和葡萄糖-6-磷酸异构酶抑制糖酵解, 从而导致细胞死亡[1,2]。体外实验中, 2-DG6P可以被葡萄糖-6-磷酸脱氢酶氧化并消耗NADP ⁺ 。在细菌和酵母中, 2-DG6P磷酸酶可以将2-DG6P分解为2-DG。
Application	2-DG6P可以用于细胞代谢的相关研究[3]。
Unit Definition	-

➤ 性质(Properties):

Storage temp	-20°C
Contains	-

➤ 安全信息(Safety Information):

Hazard Pictogram Codes	-
Signal Word	-
Hazard Statements	-
Precautionary Statements	-
Personal Protective Equipment	Eyeshields, Gloves, type N95 (US)
Hazard Codes (Europe)	-
Risk Codes (Europe)	-
Safety Codes (Europe)	-
RIDADR	NONH for all modes of transport

WGK Germany	3
RTECS	-
Flash Point (F)	-
Flash Point (C)	-

包装清单:

产品编号	产品名称	包装
ST2082-5mg	2-DG6P (≥98%, BioReagent)	5mg
ST2082-25mg	2-DG6P (≥98%, BioReagent)	25mg
ST2082-100mg	2-DG6P (≥98%, BioReagent)	100mg
—	说明书	1份

保存条件:

-20°C保存, 一年有效。

注意事项:

- 本产品仅限于专业人员的科学研究用, 不得用于临床诊断或治疗, 不得用于食品或药品, 不得存放于普通住宅内。
- 为了您的安全和健康, 请穿实验服并戴一次性手套操作。

参考文献:

1. Chen W, Guéron M. Biochimie. 1992. 74(9-10):867-73.
2. Pajak B, Siwiak E, Sołtyka M, Priebe A, Zieliński R, et al. Int J Mol Sci. 2019. 21(1):234.
3. Nasrallah FA, Pagès G, Kuchel PW, Golay X, Chuang KH. 2013. 33(8):1270-8.

相关产品:

产品编号	产品名称	包装
S0185	G6P检测试剂盒(WST-8法)	100次
S0201	葡萄糖检测试剂盒(O-toluidine法)	200次/1000次
ST1024	D-2-脱氧葡萄糖(≥99%, Reagent grade)	250g/1g/5g
ST1228	D-(+)-葡萄糖(≥99.5%, BioReagent)	250g/1kg/6×1kg
ST2078-5mg	2-NBDG (≥98%, BioReagent)	5mg
ST2078-20mg	2-NBDG (≥98%, BioReagent)	20mg
ST2078-100mg	2-NBDG (≥98%, BioReagent)	100mg
ST2082-5mg	2-DG6P (≥98%, BioReagent)	5mg
ST2082-25mg	2-DG6P (≥98%, BioReagent)	25mg
ST2082-100mg	2-DG6P (≥98%, BioReagent)	100mg

Version 2024.02.29