

Cytidine 3',5'-bisphosphate (胞苷3', 5'-二磷酸)

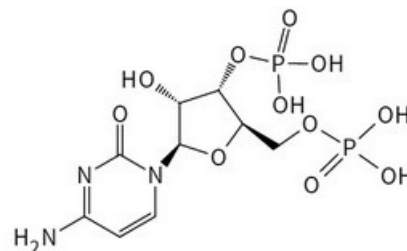
产品编号	产品名称	包装
D7343-5mg	Cytidine 3',5'-bisphosphate (胞苷3', 5'-二磷酸)	5mg
D7343-25mg	Cytidine 3',5'-bisphosphate (胞苷3', 5'-二磷酸)	25mg

产品简介:

CAS Number	Chemical Formula	Molecular Weight	Purity	Content	Grade
2922-94-3	C ₉ H ₁₅ N ₃ O ₁₁ P ₂ Na ₃	~469	≥95%	~46%	Reagent grade

➤ 基本信息(General Information):

Name (Chinese)	胞苷3', 5'-二磷酸
Name (English)	Cytidine 3',5'-bisphosphate
Specifications	Reagent grade
Chemical Formula	C ₉ H ₁₅ N ₃ O ₁₁ P ₂ Na ₃
Synonym (Chinese)	胞苷3',5'-二磷酸酯, 三钠盐
Synonym (English)	Cytidine 3',5'-diphosphate; 3',5'-CDP; Diquafosol Impurity 20; Cytidine 3',5'-bis(monophosphate); 3'-Cytidylic acid, 5'-(dihydrogen phosphate); [(2R,3S,4R,5R)-5-(4-amino-2-oxypyrimidin-1-yl)-4-hydroxy-2-(phosphonooxymethyl)oxolan-3-yl] dihydrogen phosphate
Beilstein Registry No.	-
EINECS Number	-
MDL Number	-
UNSPSC Code	-



➤ 产品描述(Description):

Application	As the precursor; For drug design; As a model compound; For phosphodiesterase activity assays.
General Description	Cytidine 3',5'-bisphosphate (3',5'-CDP) is a compound derived from cytidine, which is one of the four primary nucleosides comprising RNA. The structure of the compound consists of a cytidine nucleoside connected to two phosphate groups that are bonded to the 3' and 5' positions of the ribose sugar. This alteration confers unique functions to cytidine 3',5'-bisphosphate in biochemical and cellular processes, particularly in the metabolism and regulation of nucleotides.

➤ 性质(Properties):

Content	~46% (NaCl as adjuvant)
InChI Key	MVGIIUCOOTSA-P-XVFCMESISA-N
InChI	InChI=1S/C9H15N3O11P2/c10-5-1-2-12(9(14)11-5)8-6(13)7(23-25(18,19)20)4(22-8)3-21-24(15,16)17/h1-2,4,6-8,13H,3H2,(H2,10,11,14)(H2,15,16,17)(H2,18,19,20)/t4-,6-,7-,8-/m1/s1
Boiling point	811.1±75.0°C (Predicted)
Density	2.35±0.1g/cm ³ (Predicted)
pKa	1.83±0.10 (Predicted)

➤ 安全信息(Safety Information):

Hazard Pictogram Codes	-
Signal Word	-
Hazard Statements	-

Precautionary Statements	-
Personal Protective Equipment	-
Hazard Codes (Europe)	-
Risk Codes (Europe)	-
Safety Codes (Europe)	-
RIDADR	-
WGK Germany	-
RTECS	-
Flash Point (F)	-
Flash Point (C)	-

包装清单：

产品编号	产品名称	包装
D7343-5mg	Cytidine 3',5'-bisphosphate (胞苷3', 5'-二磷酸)	5mg
D7343-25mg	Cytidine 3',5'-bisphosphate (胞苷3', 5'-二磷酸)	25mg
—	说明书	1份

保存条件：

-20°C保存，一年有效。

注意事项：

- 本产品的包装量为含辅料的总重量。每毫克本产品中约0.46mg为Cytidine 3',5'-bisphosphate，其余为辅料NaCl等。
- 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。

相关产品：

产品编号	产品名称	包装
D7340	pCp-Desthiobiotin (pCp-脱硫生物素, 1mM)	20µl/100µl
D7342	pCp-Biotin (pCp-生物素, 1mM)	20µl/100µl
D7343	Cytidine 3',5'-bisphosphate (胞苷3', 5'-二磷酸)	5mg/25mg

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