Product Name: D-myoinositol 1,4,5-trisphosphate, hexapotassium salt
Catalog No.: 1482
Batch No.: 6

CAS Number: 103476-24-0

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C$_6$H$_9$O$_{15}$P$_3$K$_6$
Batch Molecular Weight: 648.64
Physical Appearance: White lyophilised solid
Solubility: Soluble in water
Storage: Store at -20°C

2. ANALYTICAL DATA

Caution - Not Fully Tested • Research Use Only • Not For Human or Veterinary Use

bio-techne.com
info@bio-techne.com
techsupport@bio-techne.com

North America
Tel: (800) 343 7475

China
info.cn@bio-techne.com
Tel: +86 (21) 52380373

Europe Middle East Africa
Tel: +44 (0)1235 529449

Rest of World
www.tocris.com/distributors
Tel: +1 612 379 2956

Print Date: Jan 8th 2016
Product Name: D-\textit{myo}-inositol 1,4,5-trisphosphate, hexapotassium salt  
Catalog No.: 1482  
Batch No.: 6

CAS Number: 103476-24-0

Description:
Important second messenger involved in Ca\textsuperscript{2+} mobilization from intracellular stores (EC\textsubscript{50} = 0.1 \mu M). Formed from the enzymatic hydrolysis of phosphatidyl inositol-4,5-bisphosphate.

Physical and Chemical Properties:
Batch Molecular Formula: C\textsubscript{6}H\textsubscript{3}O\textsubscript{15}P\textsubscript{3}K\textsubscript{6}
Batch Molecular Weight: 648.64
Physical Appearance: White lyophilised solid

Batch Molecular Structure:

\begin{center}
\includegraphics[width=0.5\textwidth]{molecular_structure.png}
\end{center}

Storage: Store at -20°C

Solubility & Usage Info:
Soluble in water  
CAUTION - This product is extremely hygroscopic and we recommend that it is desiccated upon arrival. lyophilized solids can be hard to visualize therefore solutions should be made by adding solvent directly to the vial. The vial should then be vortexed vigorously to ensure the product has completely dissolved.

Stability and Solubility Advice:
Some solutions can be difficult to obtain and can be encouraged by rapid stirring, sonication or gentle warming (in a 45-60°C water bath).

Information concerning product stability, particularly in solution, has rarely been reported and in most cases we can only offer a general guide. Our standard recommendations are:

SOLIDS: Provided storage is as stated on the product label and the vial is kept tightly sealed, the product can be stored for up to 6 months from date of receipt.

SOLUTIONS: We recommend that stock solutions, once prepared, are stored aliquoted in tightly sealed vials at -20°C or below and used within 1 month. Wherever possible solutions should be made up and used on the same day.

References: