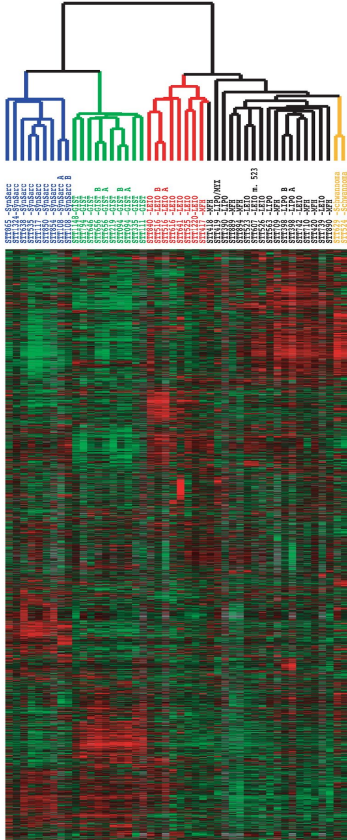


# **BMN**

Joanna Przybyl  
Lan Huong Nguyen  
Raquel Rodriguez

## **Molecular characterisation of soft tissue tumours: a gene expression study.**

Nielsen TO<sup>1</sup>, West RB, Linn SC, Alter O, Knowling MA, O'Connell JX, Zhu S, Fero M, Sherlock G, Pollack JR, Brown PO, Botstein D, van de Rijn M.



**1732 genes up/down regulated in schwannomas**



**Onno's tumor:**

**Looking for SNVs in the exons and regulatory regions**



**Deleterious exonic SNVs found in 3 genes:**

**↑ *ITPR3*, ↑ *AHNAK* and ↓ *FTCD***



**NCBI: 2 active drugs inhibiting ITPR3  
in SH-SY5Y cell line**

(used as a model of neuronal function and differentiation)

## 2.2 Tested Compounds

[Refine/Analyze](#)[Download](#)

All (2)

Active(2)

1 to 2 of 2

Structure	Activity	Activity Value [ $\mu$ M]	Compound CID	Substance SID	BioAssay AID	BioAssay Name
	Active	0.0265	10255407	312365188	92896	The compound was tested for inhibitory activity against Inositol 1, 4, 5-trisphosphate receptor in SH-SY5Y cell line
	Active	0.052	439456	103181737	92896	The compound was tested for inhibitory activity against Inositol 1, 4, 5-trisphosphate receptor in SH-SY5Y cell line

from PubChem

# SCHEMBL382752

▼ International Patent Classification

▼ HUMAN NECESSITIES

▼ HEALTH; LIFE-SAVING; AMUSEMENT Category

▼ A61 - MEDICAL OR VETERINARY SCIENCE; HYGIENE

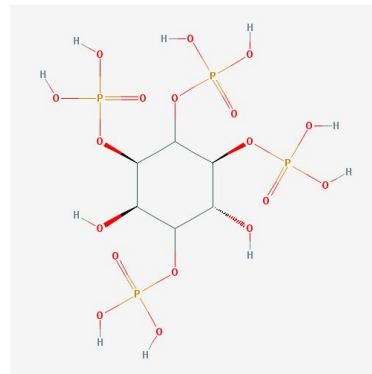
▼ A61P - SPECIFIC THERAPEUTIC ACTIVITY OF CHEMICAL COMPOUNDS OR MEDICINAL PREPARATIONS

**A61P17/00 - Drugs for dermatological disorders**

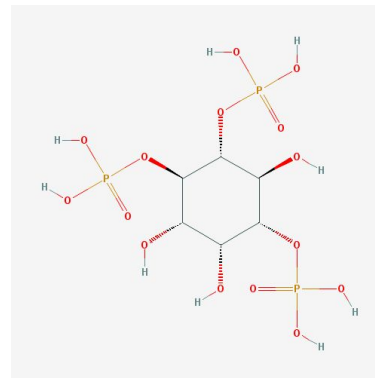
**A61P21/00 - Drugs for disorders of the muscular or neuromuscular system**

➤ **A61P25/00 - Drugs for disorders of the nervous system**

**A61P35/00 - Antineoplastic agents**



# Inositol 1,4,5-Trisphosphate



## 10.2 Biosystems and Pathways

Biosystems and Pathways (from BioSystems) - biological systems, such as pathways, that include the small molecule as a component.

 Download

1 to 5 of 13,191

1

2

3

...

2,639

**BioSystem ID**

**BioSystem Name**

[983748](#)

cGMP-PKG signaling pathway

[985584](#)

cGMP-PKG signaling pathway

[1017634](#)

cAMP signaling pathway

[1019520](#)

cAMP signaling pathway

[1144995](#)

[Sphingolipid signaling pathway](#)

► from PubChem