

## o-NPG and other Galactosidase substrates



### Product Information

*Colorimetric substrates for detection of  $\beta$ -galactosidase activity.*

**Name:** **o-NPG**

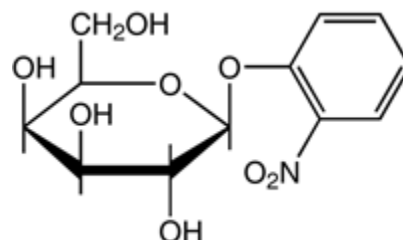
o-Nitrophenyl- $\beta$ -D-Galactopyranoside ;  
2-Nitrophenyl- $\beta$ -D-Galactopyranoside  
Ortho-NPG ; oNPG ; 2NPG ; oNP-beta-GAL

**Catalog #:** 556683, 5g 556684, 10g 556687, 100g

CAS: 369-07-3

MW: 301.26

Biotechnology grade



o-NPG is a chromogenic substrate that is converted by  $\beta$ -galactosidase to a soluble yellow product (420nm), that can be read at  $\lambda$ : 410-420nm. This makes oNPG useful as a substrate for ELISA based assays.

**Storage:** dry at  $-20^\circ\text{C}$  in dark (J)

For R&D use only.

### Associated products:

• Inducer

**IPTG** (Isopropyl-Beta-D-Thiogalactopyranoside) #UP84853C, to induce the lacZ gene of  $\beta$ -Gal recombinant systems.

MW : 238.3 ; CAS : 367-93-1 ; Purity: >99%, Biotech grade ; [Technical Sheet](#)

• other  $\beta$ -Galactosidase substrates for lac-z reporter assays

**X-GAL** (5-Bromo-4-Chloro-3-Indolyl- $\beta$ -D-Galactopyranoside) #UP40534C (chromogenic). [Technical Sheet](#)

$\beta$ -Galactosidase substrates Sampler kit #BM8400

$\beta$ -Gal staining kit, Colorimetric blue staining #J2966

• reagents for cloning and nucleic acid amplification (D20-D66)

FT-556683

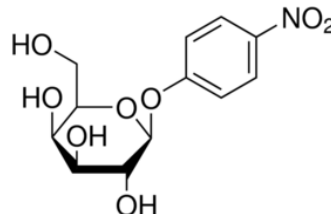
## •NPG isomers

>Beta-Galactosides

### Name: **p-NPG**

p-Nitrophenyl-β-D-Galactopyranoside;  
4-Nitrophenyl-β-D-Galactopyranoside  
Para-NPG, 4NPG

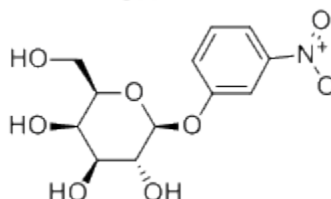
**Catalog #:** 775601, 5g 775602, 10g  
CAS: 3150-24-1  
MW: 301.26



### Name: **m-NPG**

m-Nitrophenyl-β-D-Galactopyranoside;  
3-Nitrophenyl-β-D-Galactopyranoside  
Meta-NPG, 3NPG

**Catalog #:** SP9801, 250mg  
CAS: 3150-25-2  
MW: 301.26

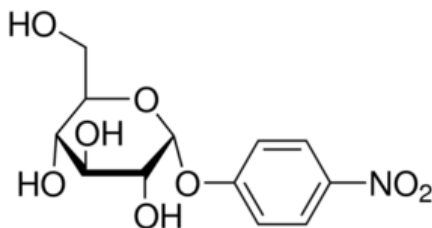


>Alpha-Galactosides

### Name: **4-Nitrophenyl-α-D-Glucopyranoside**

p-Nitrophenyl-α-D-Galactopyranoside;  
4-Nitrophenyl-α-D-Galactopyranoside  
Alpha-paraNPG, 4aNPG

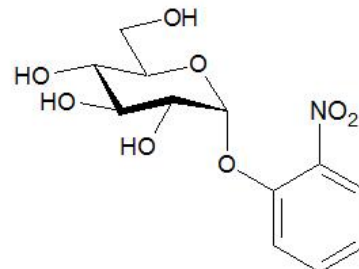
**Catalog #:** 143251, 1g 143253, 5g 143254, 10g  
CAS: 7493-95-0  
MW: 301.26



### Name: **2-Nitrophenyl-α-D-Glucopyranoside**

o-Nitrophenyl-α-D-Galactopyranoside;  
2-Nitrophenyl-α-D-Galactopyranoside  
Alpha-orthoNPG, 2aNPG

**Catalog #:** XGQ863, 1g XGQ864, 5g XGQ865, 10g  
CAS: 56193-44-3  
MW: 301.26



### Name: **3-Nitrophenyl-α-D-Glucopyranoside**

m-Nitrophenyl-α-D-Galactopyranoside;  
3-Nitrophenyl-α-D-Galactopyranoside  
Alpha-metaNPG, 3aNPG

Inquire

## •other glycosides / other osidases

>NPG derivatives

### Name: **phenyl 2.3.4.6-tetra-O-acetyl-beta-D-galactopyranoside**

**Catalog #:** NFH52A, 1g NFH52B, 10g NFH52D, 50g  
CAS: 2872-72-2  
MW: 424.40

>other glycosides

.4-Nitrophenyl β-D-glucuronide #B4FQ71 (CAS:10344-94-2 ; MW :315.2)

.4-Nitrophenyl-β-D-fucopyranoside #B4FNI1 (CAS:1226-39-7; MW:285.3)

Please contact Uptima - Interchim for any question.

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