

## Glyphosate Biochemical

Glyphosate

CATALOG #  
AAA201965

### PRODUCT SYNONYMS

Glyphosate; Atila; Folusen; Lancer; Glyphosate biochemical

### PRODUCT SPECIFICATIONS

|                         |                                                 |
|-------------------------|-------------------------------------------------|
| Purity/Purification     | >98% (HPLC)                                     |
| Receptor                | GPR120                                          |
| SMILES                  | <chem>OC(=O)CNC(=O)O</chem>                     |
| Molecular Formula       | C <sub>3</sub> H <sub>8</sub> NO <sub>5</sub> P |
| CAS Number              | 1071-83-6                                       |
| NMR                     | Consistent with Structure                       |
| Pathway                 | Apoptosis                                       |
| Preparation and Storage | Store at -20 degree C<br>Stability: ≥2 years    |

### ADDITIONAL INFORMATION

|                                                        |                                                                                                                                                                                                                                                                      |
|--------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for Glyphosate biochemical | Glyphosate is an herbicide. It also is a possible carcinogen to humans. (In vitro) Glyphosate exposure interferes with mouse oocyte maturation by generating oxidative stress and early apoptosis. Glyphosate induces early apoptosis and autophagy in mouse oocytes |
| Product Categories/Family for Glyphosate biochemical   | Apoptosis; Apoptosis                                                                                                                                                                                                                                                 |
| References                                             | 1.Oh DY, et al. A Gpr120-selective agonist improves insulin resistance and chronic inflammation in obese mice. Nat Med. 2014 Aug;20(8):942-7.                                                                                                                        |

### NCBI AND UNIPROT INFORMATION

|                  |       |
|------------------|-------|
| Molecular Weight | 169.1 |
|------------------|-------|

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | [contact@aaabiotech.com](mailto:contact@aaabiotech.com)  
Online datasheet: <https://www.aaabiotech.com/biochemical/glyphosate/201965>