

## Product Datasheet

### G-Q peptide (orb216630)

|                          |                                                                                                                                                                                                                                                                                                                                                                                                                         |
|--------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Description</b>       | G-Q peptide                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Form/Appearance</b>   | Lyophilized powder                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Storage</b>           | Shipped at 4°C. Store at -20°C for one year.                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Note</b>              | For research use only                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Application notes</b> | <p>The dipeptide Gly-Gln, which is naturally derived from the posttranslational processing of <math>\beta</math>-endorphin, exhibited an inhibitory action on cell firing when applied iontophoretically to brainstem neurons in the rat. Moreover, it seems to be a neurotrophic regulator of acetylcholinesterase in the mammalian sympathetic ganglion. Gly-Gln suppressed morphine withdrawal symptoms in rats.</p> |
| <b>Protein Sequence</b>  | H-Gly-Gln-OH                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Formula</b>           | $C_7H_{15}N_3O_5$                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Purity</b>            | > 95%                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Source</b>            | Synthetic                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>MW</b>                | 221.21                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>CAS Number</b>        | 13115-71-4                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Expiration Date</b>   | 12 months from date of receipt.                                                                                                                                                                                                                                                                                                                                                                                         |

