

Product Name: RuBi-GABA

Cat. No. 3400

Solubility Guidelines:

RuBi-GABA is soluble in water, but its PF6 salts are slow to solubilise. To achieve concentrations of greater than 1mM (up to 10mM) it is recommended that one of the following two methods is used:

Method A:

If compatible with the experiment, a drop of DMSO, ethanol or acetone may be added before addition of water. Please note that the addition of water should be carried out very slowly and under agitation to prevent precipitation. All the manipulation involving RuBi-GABA must be carried out in the dark. It is recommended to use the solutions prepared in such a way immediately.

Method B:

If method A is not suitable then the water solubility of RuBi-GABA can be greatly enhanced by exchanging the PF6 counterion for chloride, using a Dowex-Cl exchange resin. The resin (around 50mg per 10mg RuBi-GABA) must be washed with plenty of distilled water before use, using a filter funnel or by mixing and decanting in a small flask 3-4 times.

After preparation of a suspension of RuBi-GABA in water, the clean resin can be added to aid solubilisation of the compound. This mixture should be stirred until the RuBi-GABA is completely dissolved. The resin can then be removed with a suitable filter.

All the manipulation involving RuBi-GABA must be carried out in the dark.