

Product Name: U 73122

Cat. No. 1268

Solubility Guidelines:

U 73122 is only sparingly soluble in aqueous media and solvents such as DMSO and ethanol. Therefore, U 73122 can be delivered to cells either after dissolving in organic solvents or complexing with serum proteins.

We recommend that a weighed amount of U 73122 is first dissolved in dichloromethane or chloroform (in which the product is soluble to 100mM). This solution should then be dispensed into aliquots sufficient for one experiment and the solvent evaporated with a stream of nitrogen to leave a thin, dry film, which may be more easily dissolved in DMSO or ethanol. U 73122 is soluble to at least 5 mM in DMSO and at least 2 mM in 100% ethanol using this approach.

As an alternative, an aqueous medium that contains serum or serum albumin (1-10 mg/mL) can be used to dissolve the thin film. U 73122 will form a soluble complex with serum albumin, thus avoiding the use of organic solvents to deliver the compound to cells.

Stability and Storage:

It is best to dissolve U 73122 in DMSO or ethanol immediately before use. Use caution in reusing stored DMSO solutions of U 73122 and discard solutions that have turned a pink color as this indicates a loss of inhibitory activity. In general, store U 73122 solutions at -20° to -80°C and discard after two months. Solid U 73122 as supplied by Tocris should be stable for at least six months. Dried aliquots prepared from chloroform solutions (see above) should be stored at -20° or -80°C for no more than one month.