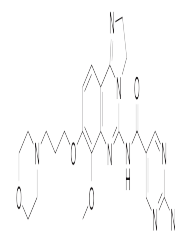


Product Datasheet

BAY80-6946 (orb322186)

Description	BAY80-6946
Storage	Storage Temp: -20°C
Note	For research use only
Formula	C ₂₃ H ₂₈ N ₈ O ₄
Purity	≥98%
MW	480.52
CAS Number	1032568-63-0
SMILES	<chem>COC1C(CCC2C1N=C(N3C2=NCC3)NC(=O)C4CNC(NC4)N)OCCCN5CCOCC5</chem>
Solubility (25°C)	Due to its chemical nature, pure BAY80-6946 solid powder was found to have very low solubility in common organic solvents. This has been reported in the literature. User may use the following method as a reference when making stock solution: 2 mg BAY80-6946 is placed in a clear vial. To this vial, 10 µL 10% HCl is added. The vial is capped and shaken for a few seconds to allow HCl solution to wet the crystals of BAY80-6946. Then 90 µL water is added, and shaken for a few second, which will give a clear stock solution at 20 mg /mL. This solution can be further diluted using 0.5% HCl water solution. Pure BAY80-6946 has very low solubility, because of its chemical property, not because of the poor quality of our product. Molecule of BAY80-6946 contains several basic nitrogen atoms, after protonated by HCl, its solubility will be enhanced. For in vitro studies, 5 mmol/L stock solution of BAY 80-6946 (in dimethyl sulfoxide with 10 mmol/L trifluoroacetic acid) was used - see Mol Cancer Ther. 2013 Nov;12(11):2319-30.
Hazard Information	UN Number: Not dangerous goods
Expiration Date	12 months from date of receipt.



Chemical
structure of
BAY80-6946