

Chemical name	1,1'-(2,2'-dithiolanediyl)bis(ethane-2,1-diyl)di-(guanidinium trifluoroacetate)	
Structure		
Formula	$C_6H_{18}N_6S_2^{2+} \cdot 2CF_3CO_2^-$	
MW	238.38 + 2 x 115.03	
Appearance	White solid	
Solubility	Soluble in water and buffered aqueous solutions.	
Storage	+4 °C	
Handling	Hygroscopic.	
Description	<p>We have used the chemical to fix molecules on gold surfaces through the interactions of guanidinium with phosphates.² Prior to use, it is converted to 1-(2-mercaptoethyl)guanidinium using tris(2-carboxyethyl)phosphine (TCEP), which can readily form a monolayer on the gold surface.</p> <div style="display: flex; align-items: center; justify-content: center;"> <div style="margin-left: 20px;"> <p>Reference:</p> <ol style="list-style-type: none"> 1. He, J.; Lin, L.; Liu, H.; Zhang, P.; Lee, M.; Sankey, O. F.; Lindsay, S. M., A hydrogen-bonded electron-tunneling circuit reads the base composition of unmodified DNA. <i>Nanotechnology</i> 2009, <i>20</i> (7), 075102/1-075102/8. 2. He, J.; Lin, L.; Zhang, P.; Spadola, Q.; Xi, Z.; Fu, Q.; Lindsay, S., Transverse Tunneling through DNA Hydrogen Bonded to an Electrode. <i>Nano Lett.</i> 2008, <i>8</i> (8), 2530-2534. </div> </div>	