The synthesis of thiophenic compounds, previously identified in Tagetes patula, revealed that 4– $(5?Based\ on\ the\ affinity\ score\ (GlideScore\ =\ -5.7\ kcal.mol-\ 1\)$ and the proposed binding mode, Thio1 could be classified as a potential GluCl ligand, justifying the promising results observed in the anthelmintic assays.—bithiophene]-5-yl)but-3-yn-1-ol), or simply Thio1, has a pronounced in vitro anthelmintic effect against Haemonchus contortus, showing 100% efficacy in the egg hatch and larval development tests presenting EC50 = 0.1731 mg.mL- 1 and EC50 = 0.3243 mg.mL- 1, respectively.— (hydrox ymethyl)-[2,2?