A DIGUANYLATE CYCLASE METHOD OF PRODUCING THE SAME AND ITS USE IN THE MANUFACTURE OF CYCLIC-DI-GMP AND ANALOGUES THEREOF

ABSTRACT

Described is a new stand-alone diguanylate cyclase polypeptide having a GGDEF motif and a mutated I-site that does not bind c-di-GMP. We demonstrate that the production yield of c-di-GMP and analogues was significantly increased by mutation of a conserved residue in the putative regulatory I-site.

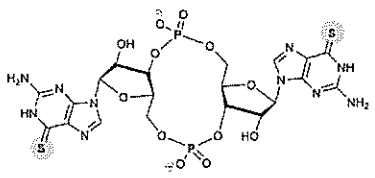
The synthesis of the c-di-GMP analogue,  is reported.

Figure 2