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Basic study

Plecanatide and dolcanatide, novel guanylate cyclase-C agonists, ameliorate gastrointestinal inflammation in experimental models of murine colitis

Institutional animal care and use committee statement: Assessment of plecanatide in DSS and TNBS murine IBD models was conducted by Epistem Ltd, Manchester, UK under License 40/2364. Studies to determine the efficacy of dolcanatide in an acute DSS-induced colitis model of IBD was also performed at Epistem Ltd, Manchester, UK under License 40/3033

The preliminary animal studies employing BALB/c and TCR $\alpha^{-/-}$ mice were performed under the direct supervision of Doctor Scott Plevy at the University of Pittsburgh School of Medicine (Pittsburg, PA). All technical procedures, animal housing, diet, water, environmental conditions and other procedures will be performed as described in the *Guide for the Care and Use of Laboratory Animals, NRC, 1996*, and in accordance with the animal protocol approved by the Institutional Animal Care and Use Committee of the University of Pittsburgh.



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