



Summit Therapeutics plc
(‘Summit’ or the ‘Company’)

Summit Presents *In Vivo* Proof of Concept Data for New Mechanism Antibiotics Targeting Enterobacteriaceae in Oral Session at ECCMID 2019

- **DDS-04 Series Cures Enterobacteriaceae Infection in Animal Model**
- **Potential in Lung, Bloodstream and Urinary Tract Infections**
- **Activity Shown Against Resistant and Non-Resistant Strains**
- **Enterobacteriaceae are Gram-Negative Bacteria that Cause a Large Number of Serious Infections**

Oxford, UK, and Cambridge, MA, US, 14 April 2019 – Summit Therapeutics plc (NASDAQ: SMMT, AIM: SUMM), a leader in new mechanism antibiotic innovation, today presented *in vivo* proof of concept data for the DDS-04 series of new mechanism antibiotics targeting Enterobacteriaceae in an oral session at the 29th European Congress of Clinical Microbiology & Infectious Diseases (‘ECCMID’) in Amsterdam.

Enterobacteriaceae are a family of Gram-negative bacteria responsible for a large number of severe and often deadly infections. In the data presented, a DDS-04 series compound cured infection in a translationally-relevant animal model of urinary tract infection, one of the major sites for Enterobacteriaceae infection. Therapeutic concentrations of the DDS-04 compound were also observed in other major sites in the animal model where life-threatening Enterobacteriaceae infections occur, including the lungs and the bloodstream.

“Patients with Enterobacteriaceae infections are increasingly at risk for poor outcomes due to the spread of antimicrobial resistance,” said Dr David Roblin, President of R&D of Summit. “Mainstay treatments are losing their effectiveness, and patients do not have the luxury of time to fail antibiotic therapy. There is a pressing need for new, targeted Enterobacteriaceae antibiotics that can serve to improve patient outcomes.”

The DDS-04 series acts via LoICDE, a novel bacterial target. The LoICDE site of DDS-04 series activity is conserved in the majority of therapeutically important Enterobacteriaceae, resulting in targeted spectrum compounds. With its new mechanism of action, the DDS-04 series was rapidly bactericidal and highly potent across globally diverse Enterobacteriaceae strains in research studies, which included multi-drug resistant isolates. Importantly, the DDS-04 series also showed low propensity for resistance development and did not show cross-resistance with existing classes of antibiotics, suggesting that DDS-04 compounds have the potential to overcome known resistance mechanisms. This profile makes the DDS-04 series attractive for further development for the treatment of Enterobacteriaceae infections.

“The DDS-04 series aligns with our antibiotic strategy. There is a clear opportunity to improve patient outcomes and a need for new mechanisms to deliver these improved outcomes and also to help address the spread of antimicrobial resistance,” commented Mr Glyn Edwards, Chief Executive Officer of Summit. “We look forward to gathering further data to support the selection of a preclinical candidate from the DDS-04 series.”

A copy of the presentation is available in the Publications section of the Company’s website: www.summitplc.com.

About Enterobacteriaceae

Enterobacteriaceae are a family of Gram-negative bacteria responsible for severe and often deadly infections. They account for a significant fraction of cases across conditions, including complicated urinary tract infections, bloodstream infections and hospital-acquired pneumonias. Summit estimates there are more than 1 million infections in the US annually caused by Enterobacteriaceae across these three settings. Increasing resistance of Enterobacteriaceae has rendered many marketed antibiotics ineffective against these bacteria. Two of the most alarming antibiotic resistance trends are extended-spectrum beta-



lactamase (ESBL)-producing Enterobacteriaceae and carbapenem-resistant Enterobacteriaceae (CRE). ESBL is an enzyme that allows bacteria to become resistant to a wide variety of penicillin and cephalosporin antibiotics. ESBL-producing Enterobacteriaceae account for an estimated 26,000 infections annually in the US with 1,700 deaths, according to the US Centers for Drug Control and Prevention ('CDC'). CRE are resistant to nearly all existing antibiotics, including carbapenems which are considered the antibiotics of last resort. CRE account for an estimated 9,000 infections per year in the US and 600 deaths, according to the CDC.

About Summit Therapeutics

Summit Therapeutics is a leader in antibiotic innovation. Our new mechanism antibiotics are designed to become the new standards of care for the benefit of patients and create value for payors and healthcare providers. We are currently developing new mechanism antibiotics for infections caused by *C. difficile*, *N. gonorrhoeae* and ESKAPE pathogens and are using our proprietary Discuva Platform to expand our pipeline. For more information, visit www.summitplc.com and follow us on Twitter @summitplc.

This announcement contains inside information for the purposes of Article 7 of EU Regulation 596/2014 (MAR).

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Summit Forward-looking Statements

Any statements in this press release about the Company's future expectations, plans and prospects, including but not limited to, statements about the clinical and preclinical development of the Company's product candidates, the therapeutic potential of the Company's product candidates, the potential commercialisation of the Company's product candidates, the sufficiency of the Company's cash resources, the timing of initiation, completion and availability of data from clinical trials, the potential submission of applications for marketing approvals and other statements containing the words "anticipate," "believe," "continue," "could," "estimate," "expect," "intend," "may," "plan," "potential," "predict," "project," "should," "target," "would," and similar expressions, constitute forward-looking statements within the meaning of The Private Securities Litigation Reform Act of 1995. Actual results may differ materially from those indicated by such forward-looking statements as a result of various important factors, including: the uncertainties inherent in the initiation of future clinical trials, availability and timing of data from ongoing and future clinical trials and the results of such trials, whether preliminary results from a clinical trial will be predictive of the final results of that trial or whether results of early clinical trials or preclinical studies will be indicative of the results of later clinical trials, expectations for regulatory approvals, laws and regulations affecting



government contracts and funding awards, availability of funding sufficient for the Company's foreseeable and unforeseeable operating expenses and capital expenditure requirements and other factors discussed in the "Risk Factors" section of filings that the Company makes with the Securities and Exchange Commission, including the Company's Annual Report on Form 20-F for the fiscal year ended 31 January 2019. Accordingly, readers should not place undue reliance on forward-looking statements or information. In addition, any forward-looking statements included in this press release represent the Company's views only as of the date of this release and should not be relied upon as representing the Company's views as of any subsequent date. The Company specifically disclaims any obligation to update any forward-looking statements included in this press release.

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