

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property  
Organization  
International Bureau

(43) International Publication Date  
23 November 2023 (23.11.2023)



(10) International Publication Number  
**WO 2023/223050 A1**

(51) International Patent Classification:

C07F 7/12 (2006.01) C07B 59/00 (2006.01)  
A61K 51/04 (2006.01) C07F 5/00 (2006.01)

TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, WS,  
ZA, ZM, ZW.

(21) International Application Number:

PCT/GB2023/051326

(22) International Filing Date:

19 May 2023 (19.05.2023)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

2207372.0 19 May 2022 (19.05.2022) GB

Published:

— with international search report (Art. 21(3))

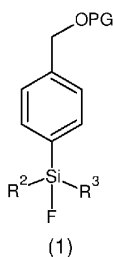
(71) Applicant: **BLUE EARTH DIAGNOSTICS LIMITED**  
[GB/GB]; Magdalen Centre, The Oxford Science Park, Ox-  
ford Oxfordshire OX4 4GA (GB).

(72) Inventors: **FORD, Rhonan Lee**; c/o Eurofins Integrat-  
ed Discovery UK Limited, I54 Valiant Way, Wolver-  
hampton WV9 5GB (GB). **THOMAS, Alexander James**  
**Floyd**; c/o Eurofins Integrated Discovery UK Limited, I54  
Valiant Way, Wolverhampton WV9 5GB (GB). **RAHMAN,**  
**Sabitur**; c/o Blue Earth Diagnostics Limited, Magdalen  
Centre, The Oxford Science Park, Oxford Oxfordshire OX4  
4GA (GB).

(74) Agent: **STRATAGEM INTELLECTUAL PROPERTY**  
**MANAGEMENT LIMITED**; Meridian Court, Comberton  
Road, Toft, Cambridge, CB23 2RY (GB).

(81) Designated States (unless otherwise indicated, for every  
kind of national protection available): AE, AG, AL, AM,  
AO, AT, AU, AZ, BA, BB, BG, BH, BN, BR, BW, BY, BZ,  
CA, CH, CL, CN, CO, CR, CU, CV, CZ, DE, DJ, DK, DM,  
DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT,  
HN, HR, HU, ID, IL, IN, IQ, IR, IS, IT, JM, JO, JP, KE, KG,  
KH, KN, KP, KR, KW, KZ, LA, LC, LK, LR, LS, LU, LY,  
MA, MD, MG, MK, MN, MU, MW, MX, MY, MZ, NA,  
NG, NI, NO, NZ, OM, PA, PE, PG, PH, PL, PT, QA, RO,  
RS, RU, RW, SA, SC, SD, SE, SG, SK, SL, ST, SV, SY, TH,

(54) Title: SYNTHESIS OF FLUOROSILYL COMPOUNDS



(57) Abstract: The disclosures herein relate to methods of synthesising a compound of formula (1): (1) wherein PG, R2 and R3 are as defined herein, and the use of said methods in the manufacture of conjugates that bind to PSMA.

WO 2023/223050 A1