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Ensysce Biosciences Expands Global Opioid Patent Portfolio

~ TAAP™ and MPAR® technologies extended across opioid products to advance safer pain treatment ~

SAN DIEGO, CALIFORNIA / ACCESS Newswire / January 21, 2026 /Ensysce Biosciences, Inc. (NASDAQ:ENSC) ("Ensysce" or the "Company"), a clinical-stage pharmaceutical company developing innovative solutions for novel therapeutics while reducing the potential for abuse and overdose, today announced it received a Notice of Allowance from the Brazilian Patent Office for the issuance of a patent* covering additional opioid families, utilizing the Company's proprietary TAAP™ (Trypsin Activated Abuse Protection) and MPAR® (Multi-Pill Abuse Resistance) technologies.

The newly allowed patent includes both composition of matter and method of use claims, further strengthening Ensysce's intellectual property estate and expanding its global protection for Next Generation analgesics. This patent builds on the protection Ensysce has around additional opioid families not only in North America but also in the EU and South America.

"Applying MPAR® technology across all TAAP-designed opioids has the potential to significantly reduce abuse and, importantly, help prevent overdose," said Dr. William Schmidt, Chief Medical Officer of Ensysce Biosciences. "This represents a meaningful advancement in patient safety without compromising pain relief."

"We continue to expand our intellectual property footprint to support the global development of safer, more effective therapies," said Dr. Lynn Kirkpatrick, CEO of Ensysce Biosciences. "This patent strengthens our pain portfolio program and underscores the transformative potential of our TAAP™ and MPAR® platforms. Together with our recently announced patent allowance covering ADHD and opioid use disorder products, this progress moves us closer to a future in which patients can be treated effectively without the devastating consequences of misuse or overdose."

* *'Pharmaceutical Compositions with Attenuated Release of Phenolic Opioids' Brazil Patent No. PI0919711-7*

About Ensysce Biosciences

Ensysce Biosciences is a clinical stage company with a goal of disrupting the analgesic landscape by introducing a new class of highly novel opioids for the treatment of severe pain. Leveraging its Trypsin-Activated Abuse Protection (TAAP™) and Multi-Pill Abuse Resistance (MPAR®) platforms, the Company is developing unique, tamper-proof treatment options for pain that minimize the risk of both drug abuse and overdose. Ensysce's products

are anticipated to provide safer options to treat patients suffering from severe pain and assist in preventing deaths caused by medication abuse. For more information, please visit www.ensysce.com.

Forward-Looking Statements

Statements contained in this press release that are not purely historical may be deemed to be forward-looking statements for the purposes of the safe harbor provisions under The Private Securities Litigation Reform Act of 1995 and other federal securities laws. Without limiting the foregoing, the use of words such as "may," "intends," "can," "might," "will," "expect," "plan," "possible," "believe" and other similar expressions are intended to identify forward-looking statements. The product candidates discussed are in clinic and not approved and there can be no assurance that the clinical programs will be successful in demonstrating safety and/or efficacy, that Ensysce will not encounter problems or delays in clinical development, or that any product candidate will ever receive regulatory approval or be successfully commercialized. All forward-looking statements are based on estimates and assumptions by Ensysce's management that, although Ensysce believes to be reasonable, are inherently uncertain. All forward-looking statements are subject to risks and uncertainties that may cause actual results to differ materially from those that Ensysce expected. In addition, Ensysce's business is subject to additional risks and uncertainties, including among others, the initiation and conduct of preclinical studies and clinical trials; the timing and availability of data from preclinical studies and clinical trials; expectations for regulatory submissions and approvals; potential safety concerns related to, or efficacy of, Ensysce's product candidates; the availability or commercial potential of product candidates; the ability of Ensysce to fund its continued operations, including its planned clinical trials; the dilutive effect of stock issuances from our fundraising; and Ensysce's and its partners' ability to perform under their license, collaboration and manufacturing arrangements. These statements are also subject to a number of material risks and uncertainties that are described in Ensysce's most recent quarterly report on Form 10-Q and current reports on Form 8-K, which are available, free of charge, at the SEC's website at www.sec.gov. Any forward-looking statement speaks only as of the date on which it was made. Ensysce undertakes no obligation to publicly update or revise any forward-looking statement, whether as a result of new information, future events or otherwise, except as required under applicable law.

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